How to Navigate the AJC Data Studio

Last updated: March 30, 2026

About This Guide

This guide explains how to navigate the ASEAN-Japan Centre Data Studio, an open-access data platform providing curated insights on ASEAN-Japan economic and social relations.

This guide is divided into the following sections:

(Optional) Pop-up form

This pop-up opens with every new visit to the AJC Data Studio. You are welcome to either answer or skip. Answering this helps us gain a better understanding of the data studio's user demographics.

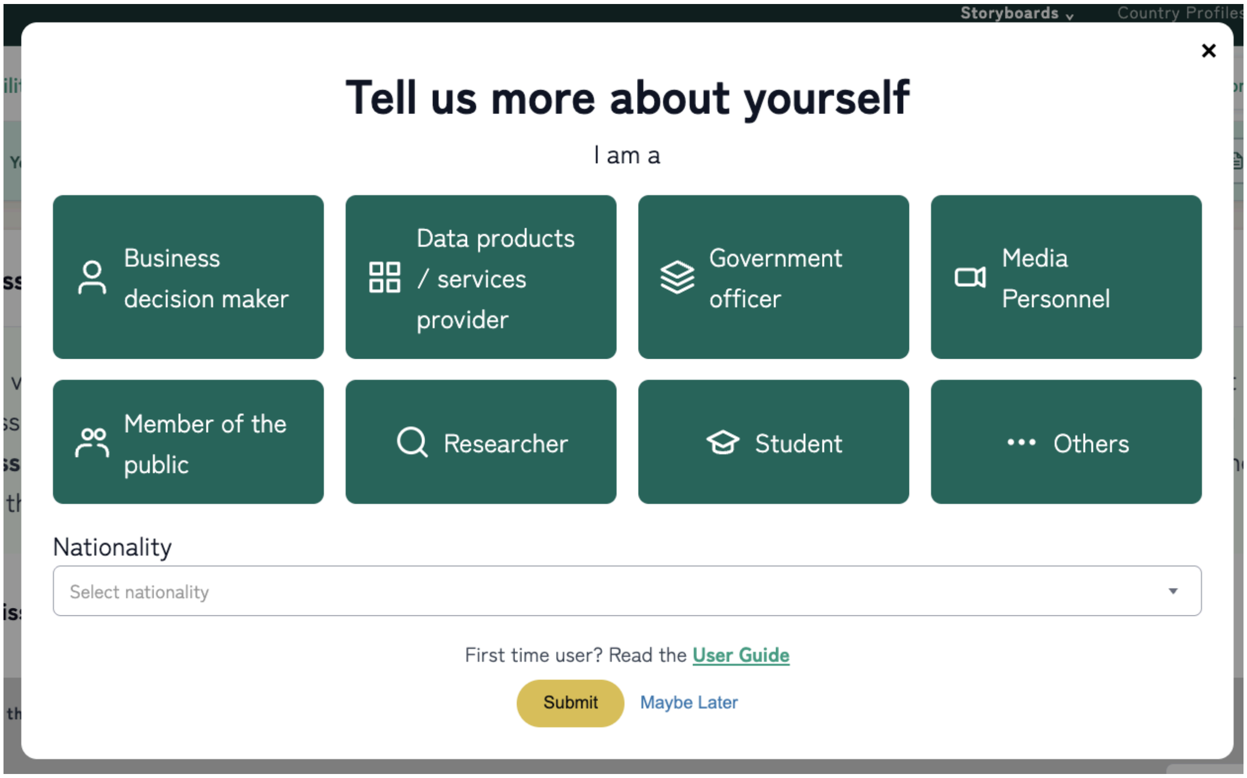


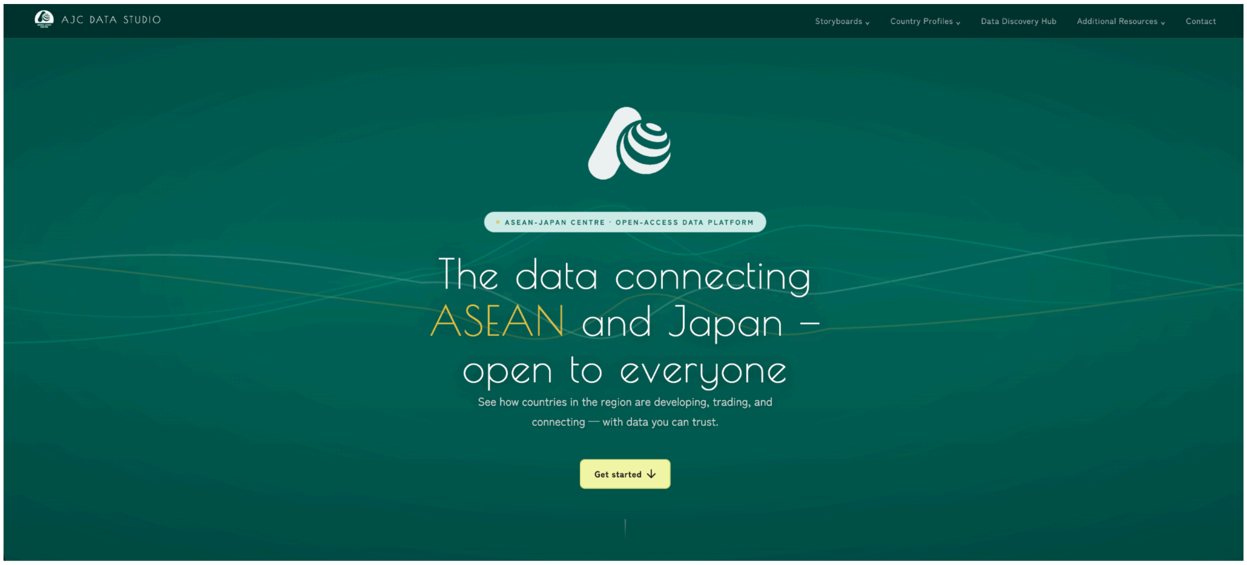
Image: Optional pop-up form

Home Page

Overall View

The homepage provides easy access to different parts of the Data Studio, containing multiple ways to navigate through. Below is the overall view of the home page, which includes:

- **Navigation Bar**
- **Start Here**
- **Platform Capabilities**
- **Explore the Platform**
- **Getting Started**
- **About**


AJC DATA STUDIO
Storyboards
Country Profiles
Data Discovery Hub
Additional Resources
Contact
ASEAN-JAPAN CENTRE · OPEN-ACCESS DATA PLATFORM
The data connecting ASEAN and Japan – open to everyone
See how countries in the region are developing, trading, and connecting — with data you can trust.
Get started

START HERE

What brings you here?

Pick the profile that best describes you — we'll point you to the most relevant part of the platform.

Academe

Students and researchers exploring regional development trends and indicators

- **GDP Growth →**
- **Population →**

Business

Businesses tracking ASEAN-Japan trade flows and investment conditions

- **Trade & Investment Regional Panorama →**
- **Japan FTA Utilization →**

General Public

First-time visitors curious about ASEAN and Japan through data

- **Getting started guide →**
- **Regional Panorama →**

Government

Policymakers and officials tracking indicators for a specific economy

- **Country Profiles →**
- **Japan FTA Utilization →**
- **Revealed Comparative Advantage →**

WHAT YOU CAN DO

Platform Capabilities

Everything you need to explore, analyze, and share ASEAN-Japan data.

Visualize trends and patterns across key metrics for ASEAN, Japan, and reference countries using interactive storyboards

Navigate datasets and customize views using organized themes and specialized filters by country, time period, or indicator

Compare countries and indicators across ASEAN, Japan, and reference countries for specific KPIs in the Data Discovery Hub

Apply correlation analysis between selected countries and indicators to uncover meaningful relationships

Download datasets and export visuals (e.g., PNG) for reporting and presentations

Access supplementary reports and resources for additional insights and context

EXPLORE THE PLATFORM

What would you like to explore?

Three ways to engage with the data — pick what fits your goal.

For additional resources including PowerBI dashboards, visit the ***Additional Resources*** *section in the navigation bar.*

BASIC INSIGHTS

Storyboards

Pre-built charts and narratives. No setup needed — just read and explore.

Regional Panorama

See how all ASEAN countries and Japan compare on a single screen. Pick a topic and the charts are ready.

Explore Here →

Country Profile

Select one country and see all its data in one place — across trade, development, people exchange, and sustainability.

Explore Here →

ADVANCED VIEW

Data Discovery Hub

Build your own view. Choose any countries and indicators, then download the data.

JUMP STRAIGHT TO AN INDICATOR

CO_2 Emissions | GDP Growth | GDP per Capita | Population | Trade (% of GDP) | FDI Inflows

Browse all 1,500+ indicators →

GETTING STARTED

New here? Here's how to navigate the platform

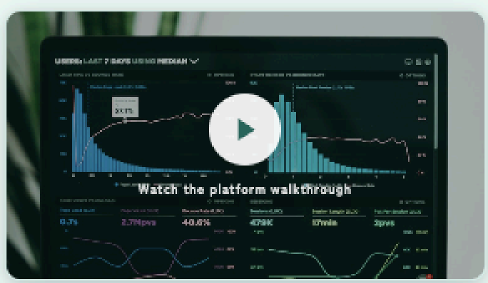
The AJC Data Studio has three main areas. This guide walks you through each one in under five minutes.

Explore the Regional Panorama
See trends across all ASEAN countries and Japan on one screen — pick a theme to begin. **Go there →**

Look up a Country Profile
Pick any ASEAN member state or Japan to see its data across all topics. **Go there →**

Use the Data Discovery Hub
Search any of 1,500+ indicators, compare countries, and download data for your own use. **Go there →**

Read the User Guide
Full documentation with tips, methodology, and data source explanations. **Open guide →**



AJC DATA STUDIO

An open-access data platform by the ASEAN-Japan Centre (AJC), built and maintained by CirroLytix Research Services. All data is free to explore, download, and use for research, policy, and reporting.

Data is updated quarterly. Coverage spans all ten ASEAN member states, Japan, and six reference countries including the USA, China,

DATA SOURCES

- Climate Watch
- EMDAT
- GGIndex
- Global Forest Watch
- IRENA
- UNCOMTRADE
- World Integrated Trade Solutions
- WTO
- World Bank

RESOURCES

- Data documentation
- User guide
- Contact us

Image: Overall view of home page

Navigation Bar

Image: Navigation Bar

From the ***Navigation Bar***, you can get to the following:

- **Top Navigation Bar (Fixed across all pages)**
  - **Storyboards:** Shows list of themes. Click a theme to view their respective ***Regional Panorama.***
  - **Country Profiles:** Shows list of available countries: Japan, ASEAN (aggregate), ASEAN member countries, and Reference Countries. Click the country of choice to view their ***Country Profile Landing Pages.***
  - **Data Discovery Hub:** Links directly to the ***Data Discovery Hub****.*
  - **Additional Resources:** Shows list of additional resources that are hosted outside of the Data Studio.
  - **Contact Us:** Links to a Google Form where you can provide us with feedback.
- **Home Buttons**

- Get Started: Links to the ***Start Here*** section in the home page.

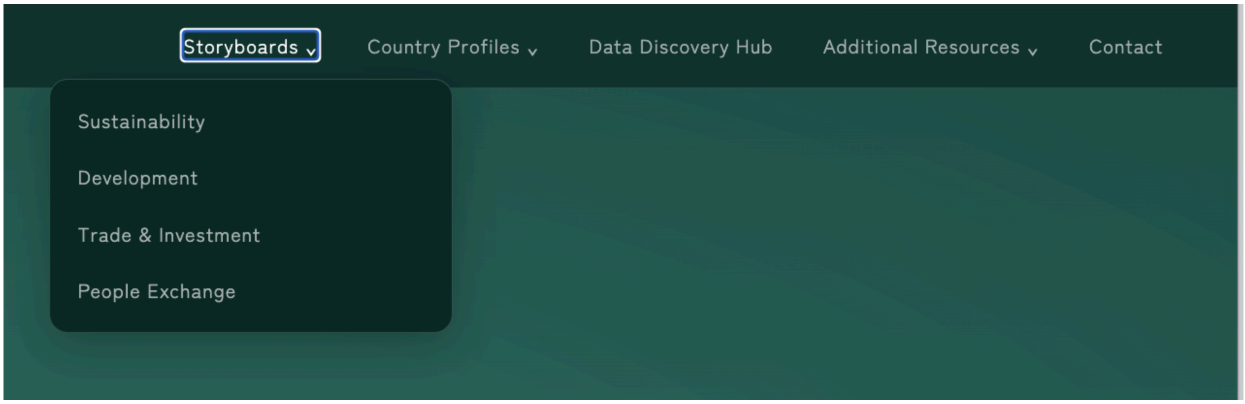


Image: Navigation Bar's ***Storyboards*** *showing expanded list*

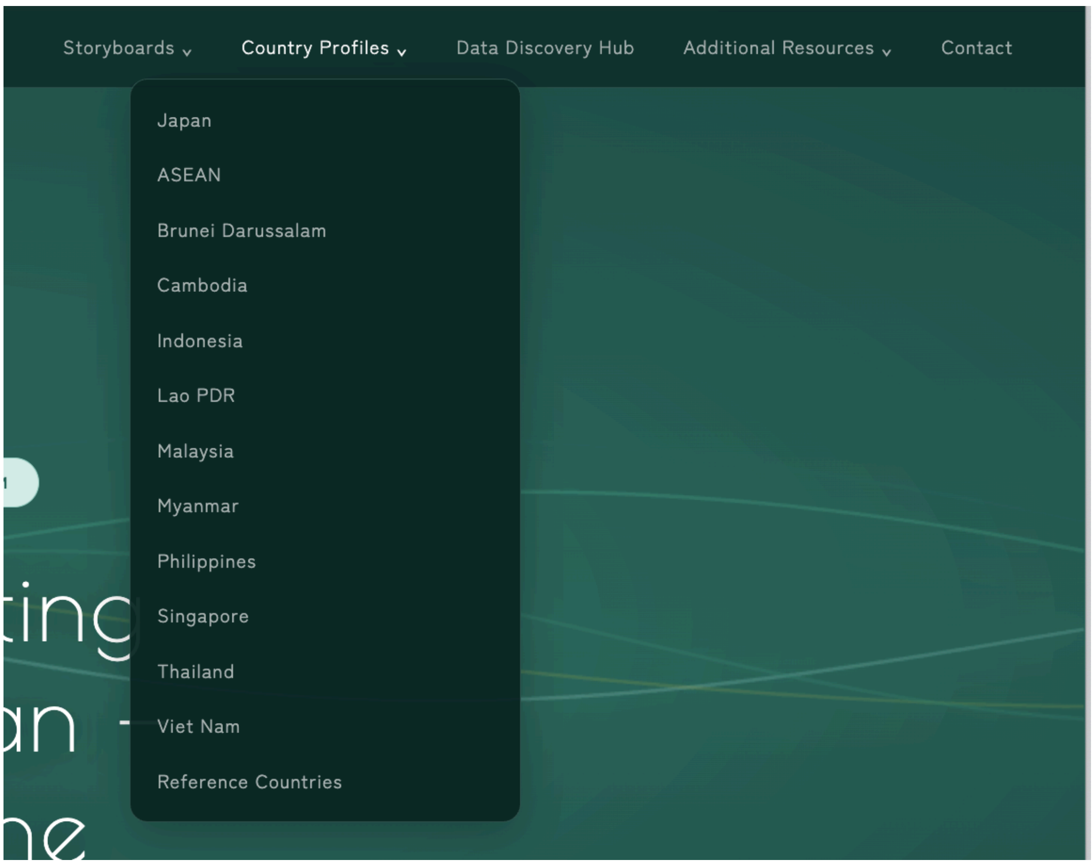


Image: Navigation Bar's ***Country Profile*** *showing expanded list*

*Image: Navigation Bar's **Additional Resources** showing expanded list*

Start Here

This section aims to support users in assessing their use case for the Data Studio, as well as suggested links based on what we anticipate are most helpful. Each **user type** includes **links** that will lead you to specific sections of the Data Studio.

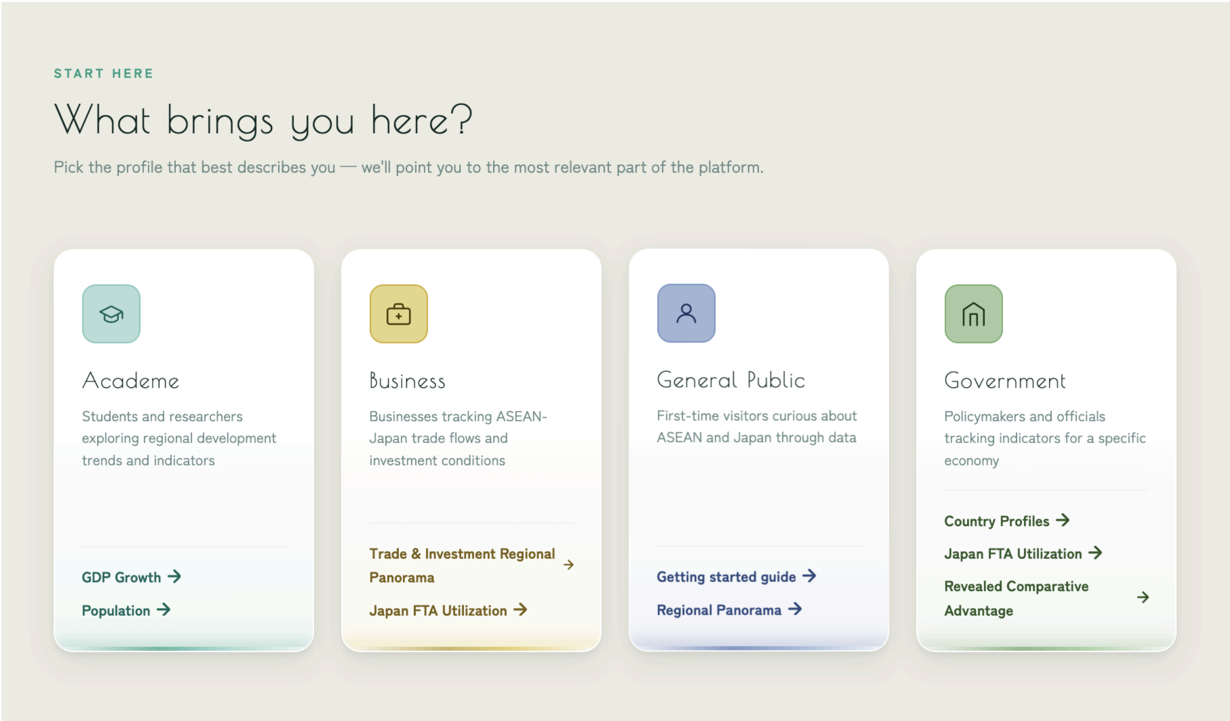


Image: Start Here section

Platform Capabilities

This section provides a general overview of the Data Studio’s capabilities.

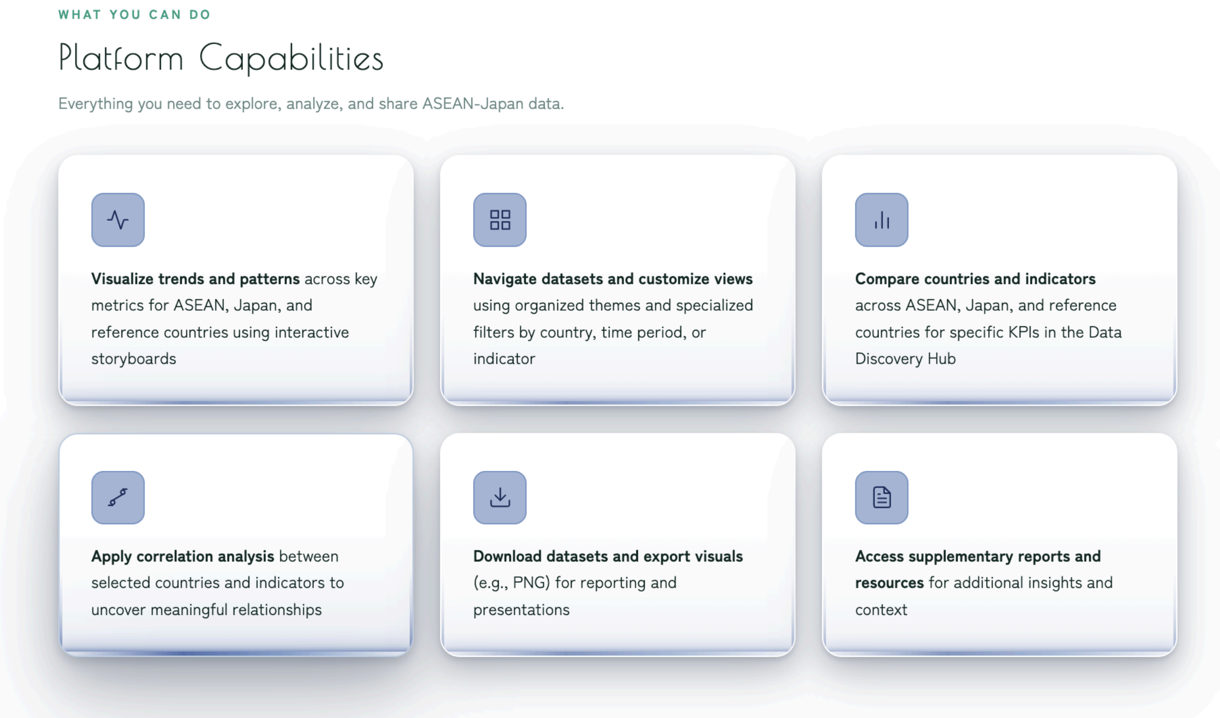


Image: Platform Capabilities section

Explore the Platform

This section summarizes the three ways you can engage with data on the Data Studio: Regional Panorama, Country Profile, and Data Discovery Hub. Read to get an understanding of the data, and click through the links to be directed to the correct sections.

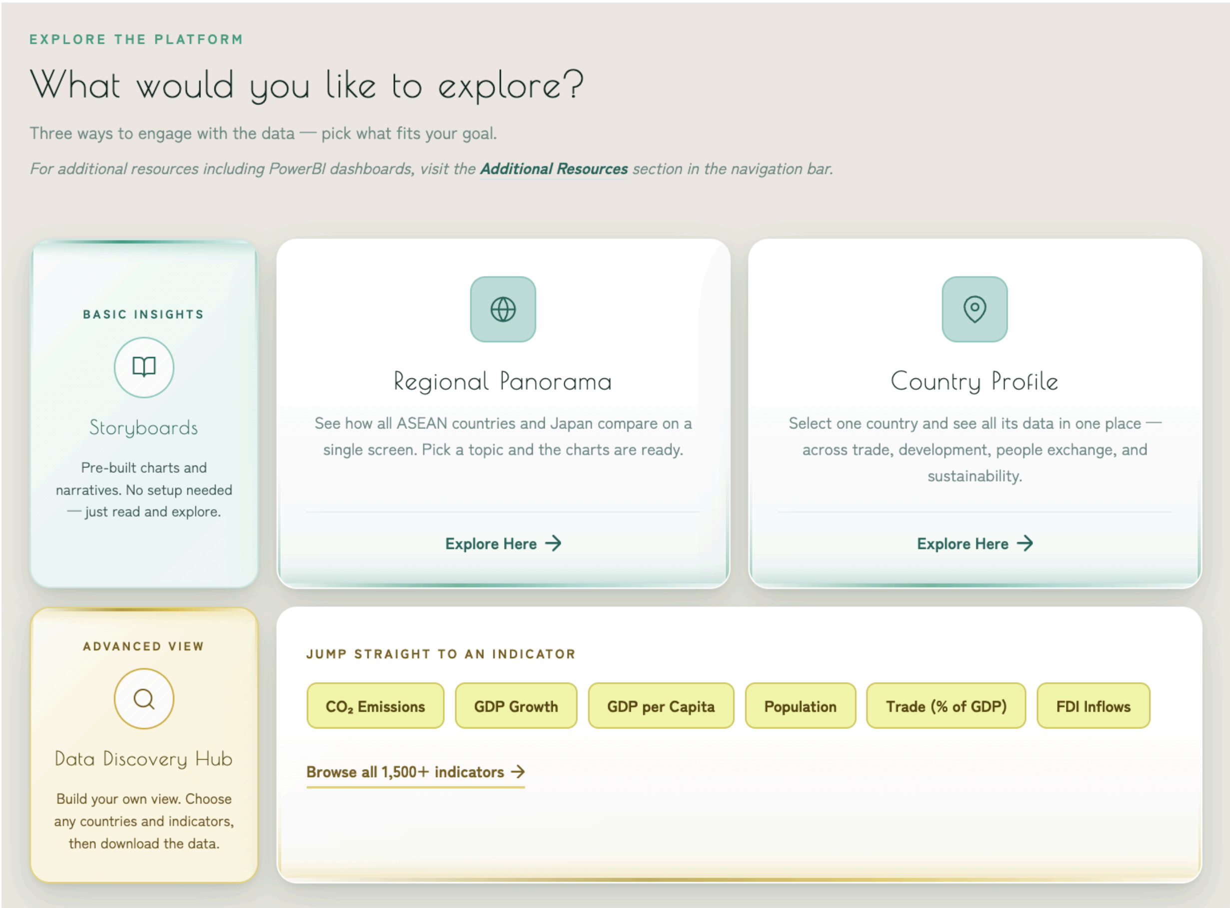


Image: Explore the Platform section

Getting Started

This section shows new users how to navigate the platform. From here, users can quickly access the three ways to engage with the data, as well as access the user guide.

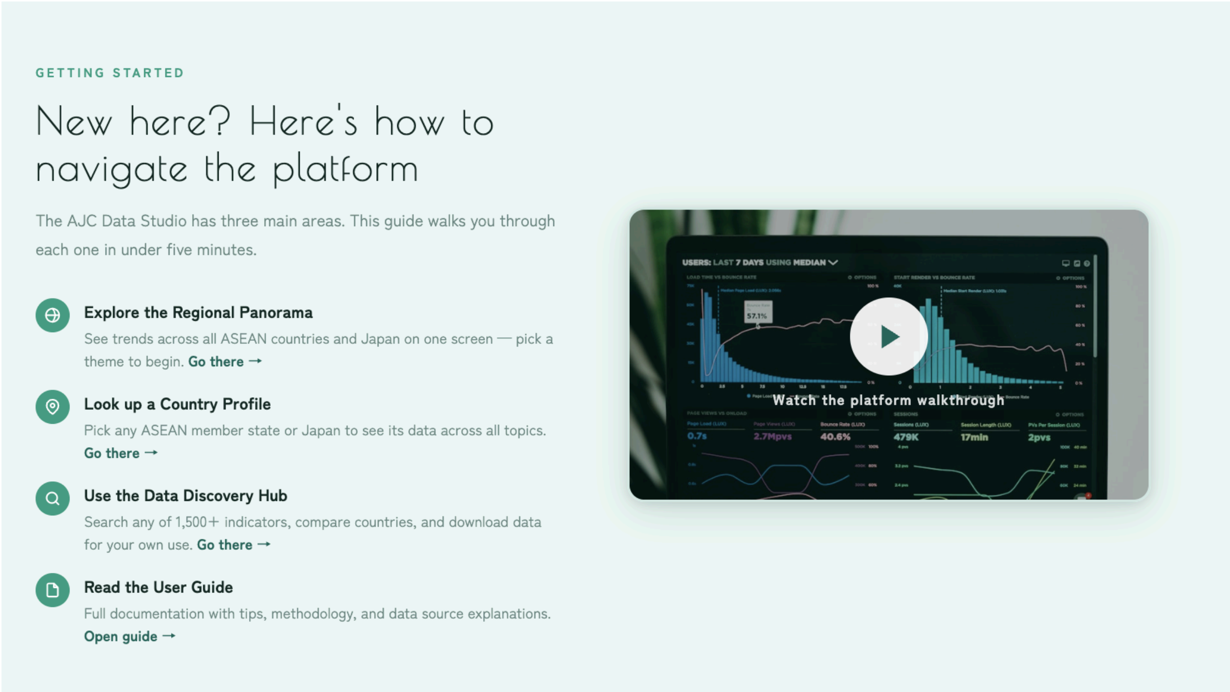


Image: Getting Started section

About

This section contains information about the platform, how it was built (including data sources and update frequency), and quick resources such as our data documentation guide, user guide, and contact us form.

Image: “About” section of home page

Regional Panorama

Regional Panorama Landing Page

The Country Profile is one of three ways to engage with the data on the Data Studio, and is one of two ***Storyboards***. ***Storyboards*** are curated data stories anchored on key indicators to inform reporting, policy, and research. Each of the four themes (Sustainability, Trade & Investment, Development, and People Exchange) will have a Regional Panorama and a Country Profile.

Start with the Regional Panorama to view regional patterns, including seeing how ASEAN countries and Japan compare.

(Note: Development and People Exchange are still under development.)

Home › Regional Panorama

Regional Panorama

See how all ASEAN economies and Japan compare — side by side, across time, on the topics that matter most.

This view shows all ASEAN economies and Japan together. To focus on a single country instead, go to **Country Profiles →**

What to expect

Sequenced insights
Each theme presents connected charts that build on each other

Historical time range
Use the year controls to explore decades of data at your pace

Downloadable
Export charts or download the underlying data as a file

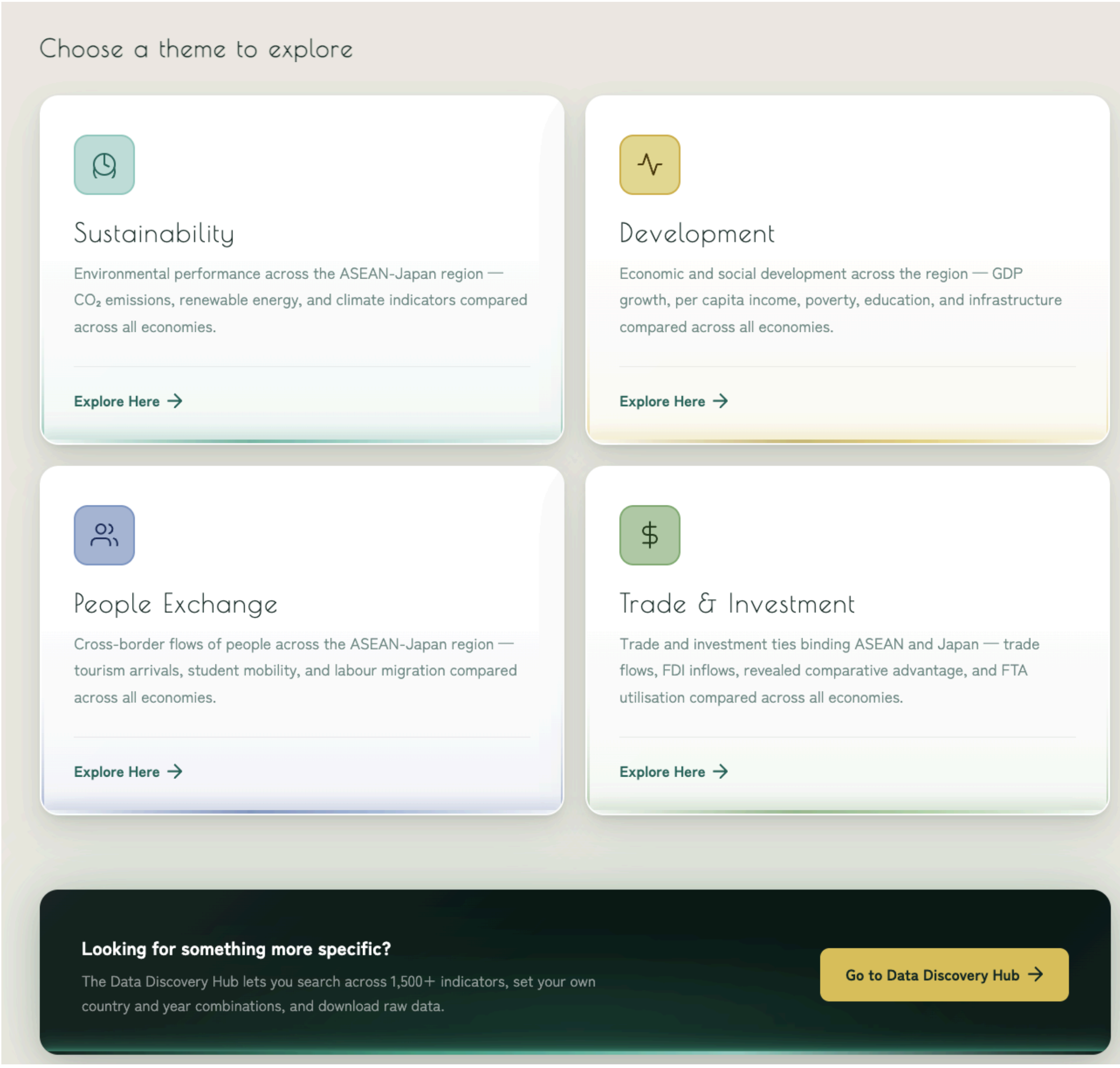


Image: Regional Panorama Landing Page

Sustainability Regional Panorama

Overall View

The **Sustainability** Regional Panorama includes three charts that can be expanded or closed for easier viewing. Below is what the whole page looks like filtered to the year **2023**, with only the first chart expanded.

Sustainability Development People Exchange Trade & Investment

Country Profile Regional Panorama

PAGE FILTER | Year 2023

KPI Reference

Cross-country CO_2 Emissions

This visualization tracks **total CO_2 emissions trends** across ASEAN countries from 1970 to present, revealing distinct emission pathways and regional patterns. Each line represents a country's trajectory, with **steeper slopes indicating rapid emission growth** and **plateauing lines showing stabilization**. The chart helps identify leading emitters, emerging trends, and the overall regional emissions landscape.

CO_2 Emissions Trends by Country

Adjust this chart's Year Range

Year Range 1960 – 2023

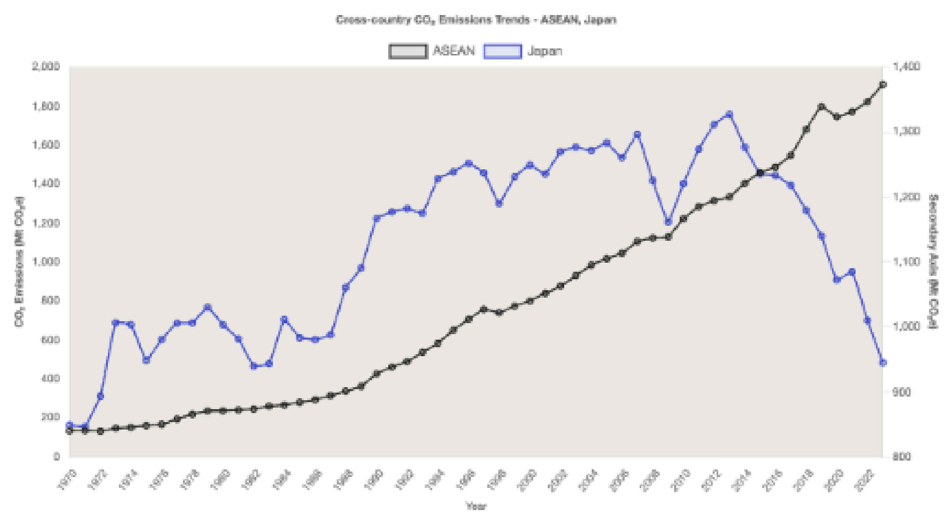
Select a maximum of 6 countries using the primary and/or secondary axis.

Primary Axis (Left): ASEAN

Secondary Axis (Right): Japan

PNG CSV

Tip: Click a legend item to show or hide its series



ASEAN-Japan Centre. (2026). Chart showing Total CO_2 Emissions (Mt CO_2e) of ASEAN, Japan, 1960-2023. Data sources: https://api.worldbank.org. ASEAN figure is calculated by summing the available data for all ASEAN countries.

How do these emission trends relate to economic growth patterns across the region?

Next Insight →

Growth-Carbon Decoupling

Sectoral Drivers Heatmap

Image: Overall view of Sustainability Regional Panorama

Chart Controls

Charts can either be configured through ***Page Filters***, which applies to all charts on the page where applicable; or ***Chart-only Filters***, which are unique to that chart. Additionally, when it's possible to toggle on / off the display of data on the chart itself, a note will be included.

Here is a quick summary:

BY CHART

- ***Cross-country CO2 Emissions***
  - **Year Range:** Start and end year of time-series data
  - **Primary / Secondary Axis:** Configures the countries to be included in the chart. Default showing is ***ASEAN*** and ***Japan***
- ***Growth Carbon Decoupling***
  - **Year** *(found in* Page Filter*)*
- ***Sectoral Drivers Heatmap***
  - **Year** *(found in* Page Filter*)*

BY AVAILABLE CONTROLS

- **Year** *(found in* Page Filter*)*
- **Year Range:** only in ***Cross-Country CO2 Emissions***
- **Primary / Secondary Axis:** only in ***Cross-Country CO2 Emissions***

Images of Charts

▶ Cross-country CO_2 Emissions ▼

This visualization tracks **total CO_2 emissions trends** across ASEAN countries from 1970 to present, revealing distinct emission pathways and regional patterns. Each line represents a country's trajectory, with **steeper slopes indicating rapid emission growth** and **plateauing lines showing stabilization**. The chart helps identify leading emitters, emerging trends, and the overall regional emissions landscape.

CO_2 Emissions Trends by Country

Adjust this chart's Year Range

Year Range

1960 - 2023

Select a maximum of 6 countries using the primary and/or secondary axis.

Primary Axis (Left):

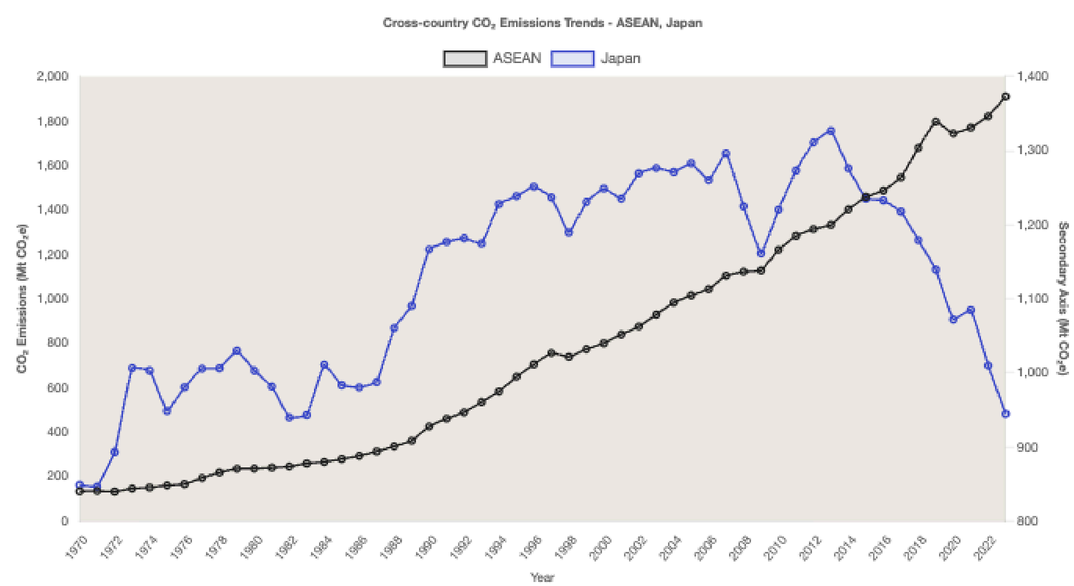
ASEAN ×

Secondary Axis (Right):

Japan ×

PNG CSV

Tip: Click a legend item to show or hide its series



ASEAN-Japan Centre. (2026). Chart showing Total CO_2 Emissions (Mt CO2e) of ASEAN, Japan, 1960-2023. Data sources: https://api.worldbank.org. ASEAN figure is calculated by summing the available data for all ASEAN countries.

How do these emission trends relate to economic growth patterns across the region?

Next Insight →

Image: Cross-country CO2 Emissions chart

▶ Growth-Carbon Decoupling ▼

This bubble chart reveals the relationship between **economic prosperity** and **environmental impact** across countries. The X-axis shows GDP per capita, Y-axis shows carbon emissions decoupling rate, and **bubble size represents total emissions**.

<u>**Quadrant Analysis with Policy Implications:**</u>

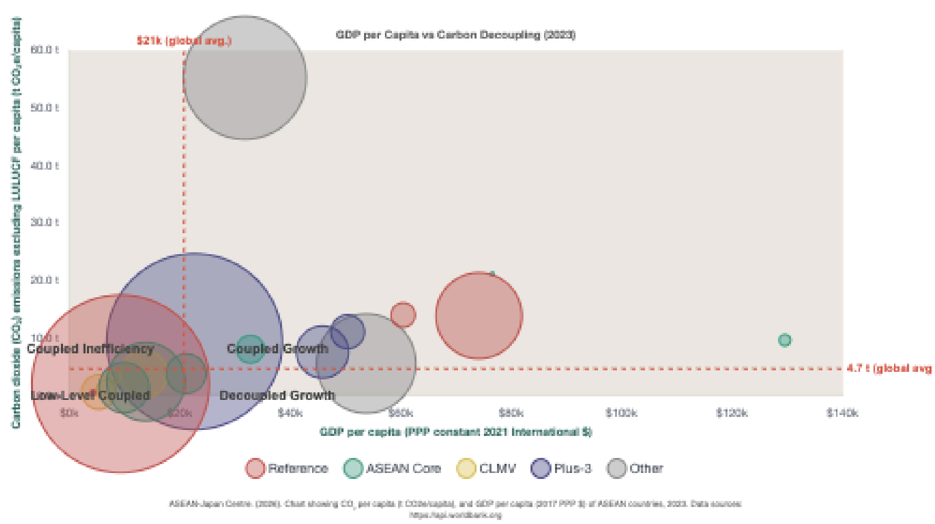
- **Coupled Growth (Top-right)**: Countries here have high GDP per capita and high CO_2 per capita. Economic growth is happening, but emissions are still rising in lockstep. Policy Focus: Accelerate clean-tech adoption and enforce carbon reduction incentives.
- **Coupled Inefficiency (Top-left)**: Countries here have low GDP per capita but high CO_2 per capita. They are not getting much economic return for their emissions, which means, carbon use is inefficient relative to income. Policy focus: Invest in energy efficiency and equitable access to clean technologies.
- **Decoupled Growth (Bottom-right)**: Countries here have high GDP per capita and low CO_2 per capita. They are proving that it's possible to grow while cutting emissions — true decoupling. Policy focus: Showcase best-practice models and scale circular, low-carbon innovations.
- **Low-Level Coupled (Bottom-left)**: Countries here have low GDP per capita and low CO_2 per capita. These are often developing economies where emissions are modest, but so is growth. Policy focus: Support sustainable growth pathways with climate finance and green infrastructure.

Reference Lines: The dashed lines mark global averages for GDP and CO_2 per capita, showing whether countries fall above or below world norms in growth and emissions.

GDP per Capita vs Carbon Decoupling (2023)

PNG CSV

Tip: Click a legend item to show or hide its series



Which specific sectors drive these different emission patterns across countries?

Next Insight →

Image: Growth-carbon decoupling chart

▶ Sectoral Drivers Heatmap

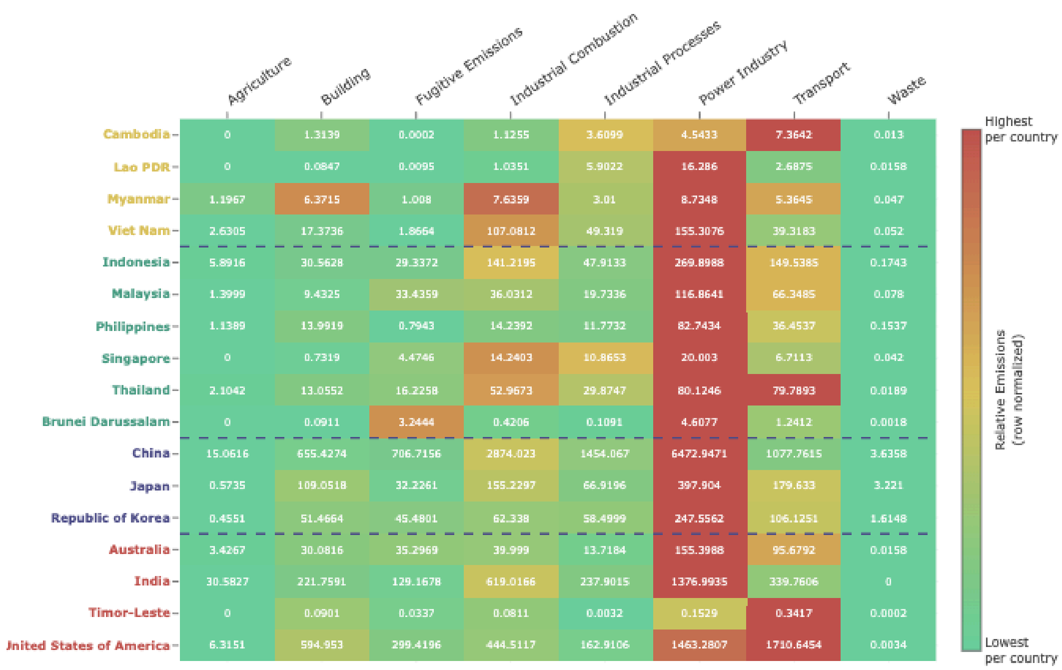
This heatmap shows **sectoral emission intensities**, grouped by country clusters and normalized within each country. **Green** indicates sectors with the **lowest emissions** for that country, **yellow** indicates **moderate emissions**, and **red** marks the **highest-emitting sectors**. By identifying these high-emission sectors, decision-makers can identify key sources of CO_2, prioritize targeted policy action, direct technology investments, and find opportunities for regional collaboration to address emissions.

Reference CLMV Plus-3 ASEAN Core

Emission Intensity by Country and Sector

TOGGLE COUNTRIES: United States of America | Timor-Leste | India | Australia | Republic of Korea | Japan | China | Brunei Darussalam | Thailand | Singapore | Philippines | Malaysia | Indonesia | Viet Nam | Myanmar | Lao PDR | Cambodia

PNG CSV



ASEAN-Japan Centre. (2026). Chart showing Agriculture CO_2 Emissions (Mt CO2e), Building CO_2 Emissions (Mt CO2e), Fugitive CO_2 Emissions (Mt CO2e), Industrial Combustion CO_2 Emissions (Mt CO2e), Industrial Processes CO_2 Emissions (Mt CO2e), Power Industry CO_2 Emissions (Mt CO2e), Transport CO_2 Emissions (Mt CO2e), and Waste CO_2 Emissions (Mt CO2e) of ASEAN countries, 2023. Data sources: https://api.worldbank.org

The three charts build on each other to show both outcomes and underlying causes. **CO_2 Emissions Trends** set the scene by tracing how countries' emissions have shifted over time. The **Growth-Carbon Decoupling** view then connects these shifts to economic progress, showing which countries manage growth with lower emissions and which remain carbon-intensive. Finally, the **Sectoral Drivers Heatmap** uncovers the main sources of emissions, whether from power generation, transport, or other sectors. Together, the findings highlight which countries face the heaviest challenges, pinpoint the sectors driving emissions, and suggest where cooperation can speed up a just, low-carbon transition.

Image: Sectoral drivers heatmap chart

Trade & Investment Regional Panorama

Overall View

The **Trade & Investment** Regional Panorama includes three charts that can be expanded or closed for easier viewing. Below is what the whole page looks like filtered to the year **2023**, with only the first chart expanded.

Sustainability   Development   People Exchange   Trade & Investment   Country Profile   Regional Panorama

PAGE FILTER | Year 2023   KPI Reference

Cross-Country Trade and Investment Trends

This chart tracks the **openness of ASEAN and partner economies to global markets** through trade (% of GDP) and foreign direct investment inflows. Each line represents a country's trajectory, with **steeper slopes indicating rapid integration growth** and **plateauing lines showing stabilization**. The chart helps identify leading integrators, emerging trends, and the overall regional economic connectivity landscape.

Trade and Investment Openness Trends

Adjust this chart's Year Range

Year Range 2010 - 2023

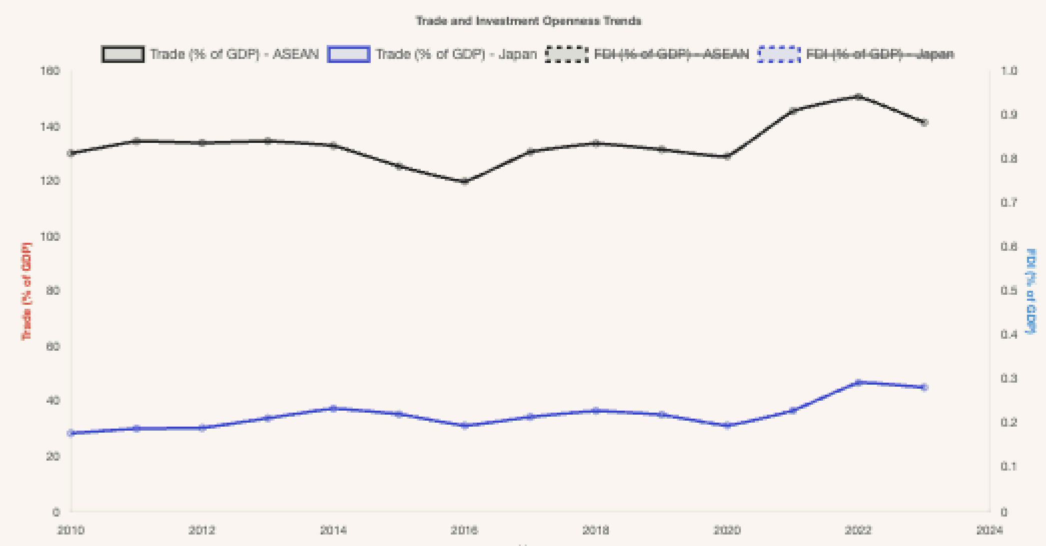
Select countries for each axis to show / hide series data for Trade and FDI

Trade Countries (Left Axis): ASEAN × Japan ×

FDI Countries (Right Axis): ASEAN × Japan ×

CSV

Tip: Click a legend item to show or hide its series



ASEAN-Japan Centre. (2026). Chart showing Trade (% of GDP), and Foreign direct investment, net inflows (% of GDP) trends for ASEAN, Japan, 2010-2023. Data sources: https://api.worldbank.org. ASEAN figure is calculated by averaging the available data for all ASEAN countries.

Trade integration varies significantly across the region, with some economies showing rapid globalization while others maintain more measured approaches to international connectivity.

Next Insight →

Image: Overall Trade & Investment Regional Panorama

Chart Controls

Charts can either be configured through ***Page Filters***, which applies to all charts on the page where applicable; or ***Chart-only Filters***, which are unique to that chart. Additionally, when it's possible to toggle on / off the display of data on the chart itself, a note will be included.

Here is a quick summary:

BY CHART

- ***Cross-country Trade and Investment Openness Trends***
  - **Year Range:** Start and end year of time-series data
  - **Left / Right Axis:** Configures the countries to be included in the chart, based on the ***indicator per axis.*** The default showing is ASEAN / Japan, with FDI toggled off.
    - **Left Axis:** Trade (as % of GDP)
    - **Right Axis:** FDI (as % of GDP)
- ***Trade Development Positioning Bubble Chart***
  - **Year** *(found in* Page Filter*)*
- ***Sankey Chart***
  - **Year** *(found in* Page Filter*)*
  - ***Exporter Countries***
  - ***Importer Countries***

BY AVAILABLE CONTROLS

- **Year** *(found in* Page Filter*)*
- **Year Range:** only in ***Cross-country Trade and Investment Openness Trends***
- **Left / Right Axis:** only in ***Cross-country Trade and Investment Openness Trends***

- **Exporter Countries:** only in ***Sankey Chart***
- **Importer Countries:** only in ***Sankey Chart***

Images of Charts

Cross-Country Trade and Investment Trends

This chart tracks the **openness of ASEAN and partner economies to global markets** through trade (% of GDP) and foreign direct investment inflows. Each line represents a country's trajectory, with **steeper slopes indicating rapid integration growth** and **plateauing lines showing stabilization**. The chart helps identify leading integrators, emerging trends, and the overall regional economic connectivity landscape.

Trade and Investment Openness Trends

Adjust this chart's Year Range

Year Range 2010 - 2023

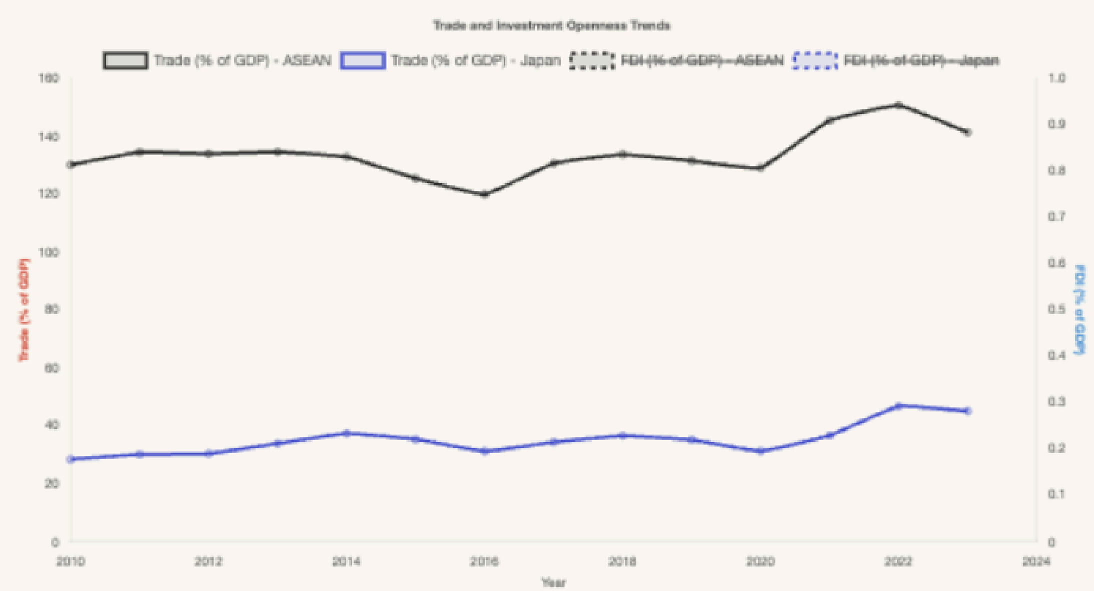
Select countries for each axis to show / hide series data for Trade and FDI

Trade Countries (Left Axis): ASEAN × Japan ×

FDI Countries (Right Axis): ASEAN × Japan ×

CSV

Tip: Click a legend item to show or hide its series



ASEAN-Japan Centre. (2026). Chart showing Trade (% of GDP), and Foreign direct investment, net inflows (% of GDP) trends for ASEAN, Japan, 2010-2023. Data sources: https://api.worldbank.org. ASEAN figure is calculated by averaging the available data for all ASEAN countries.

Trade integration varies significantly across the region, with some economies showing rapid globalization while others maintain more measured approaches to international connectivity.

Next Insight →

Image: Trade & Investment Openness Trends chart

Trade-Development Positioning Bubble Chart

Quadrant Analysis with Policy Implications:

This bubble chart displays **trade openness (X-axis), FDI inflows (Y-axis), and GDP (bubble size)** across countries. The chart allows comparison of countries across these three dimensions simultaneously. Red reference lines show global average values for trade openness and FDI inflows.

Quadrant Analysis with Policy Implications:

- **Globalized & Attractive (Top-right):** Countries that excel at both international trade and attracting foreign investment, representing the most globally integrated economies. Policy focus: Maintain competitive advantages through innovation support, infrastructure upgrades, and regulatory efficiency to sustain dual excellence.
- **Capital Magnets, Trade-Lagging (Top-left):** Nations that successfully draw foreign direct investment but have relatively low trade volumes relative to their economic size. Policy focus: Leverage FDI success to boost export competitiveness through trade facilitation, export promotion, and connecting foreign investors to global value chains.
- **Trade-Active, Capital-Starved (Bottom-right):** Export-oriented economies with high trade-to-GDP ratios but limited success in attracting foreign investment inflows. Policy focus: Translate trade success into investment attraction through improved business climate, infrastructure development, and targeted FDI promotion in key sectors.
- **Underconnected & Undercapitalized (Bottom-left):** Countries with both low trade integration and minimal foreign investment, indicating limited global economic connectivity. Policy focus: Foundational reforms including institutional strengthening, connectivity infrastructure, trade and investment facilitation frameworks, and capacity building initiatives.

Reference Lines:
The red dashed lines represent global averages, helping identify whether countries perform above or below typical global integration levels in each dimension.

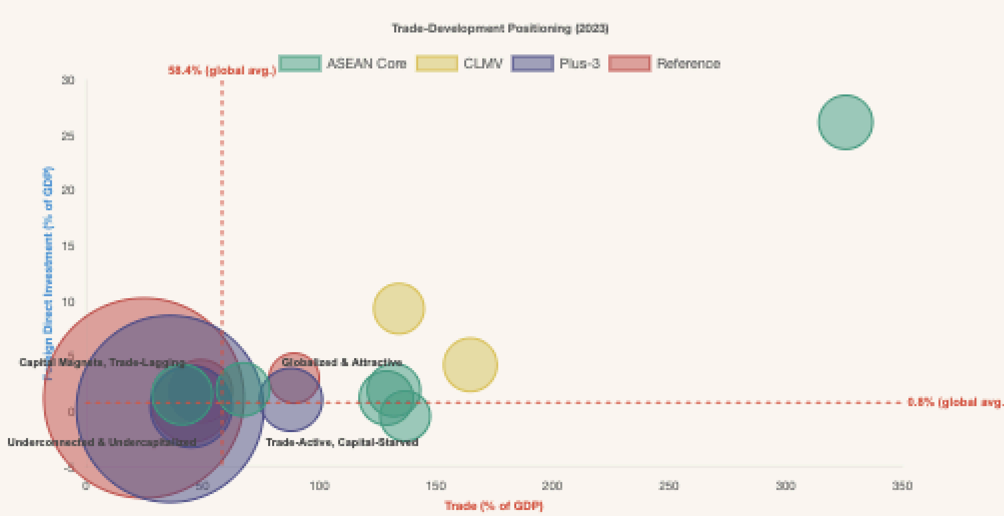
Note:
If countries are missing from the graph, then either the Trade or FDI KPI is unavailable for that year.

ASEAN Core   CLMV   Plus-3   Reference   *Bubble size = GDP (economic scale)*

Trade-Development Positioning (2023)

CSV

Tip: Click a legend item to show or hide its series



ASEAN-Japan Centre. (2026). Chart showing Trade (% of GDP), and Foreign direct investment, net inflows (% of GDP) of ASEAN countries, 2023. Data sources: https://api.worldbank.org

Image: Trade-Development Positioning bubble chart

Trade Flow Sankey Map

This Sankey chart traces **trade flows from exporters to partners by product sector**. The flowing connections show the volume and direction of trade relationships, with **thicker flows indicating larger trade volumes** and **different colors representing various sectors**. By identifying these trade patterns, decision-makers can spot key trading relationships, prioritize market access negotiations, direct export promotion efforts, and find opportunities for regional trade facilitation to strengthen economic integration.

Select exporters and importers. Click Reset to revert back to default state.

Exporter Countries:

ASEAN ×

Importer Countries:

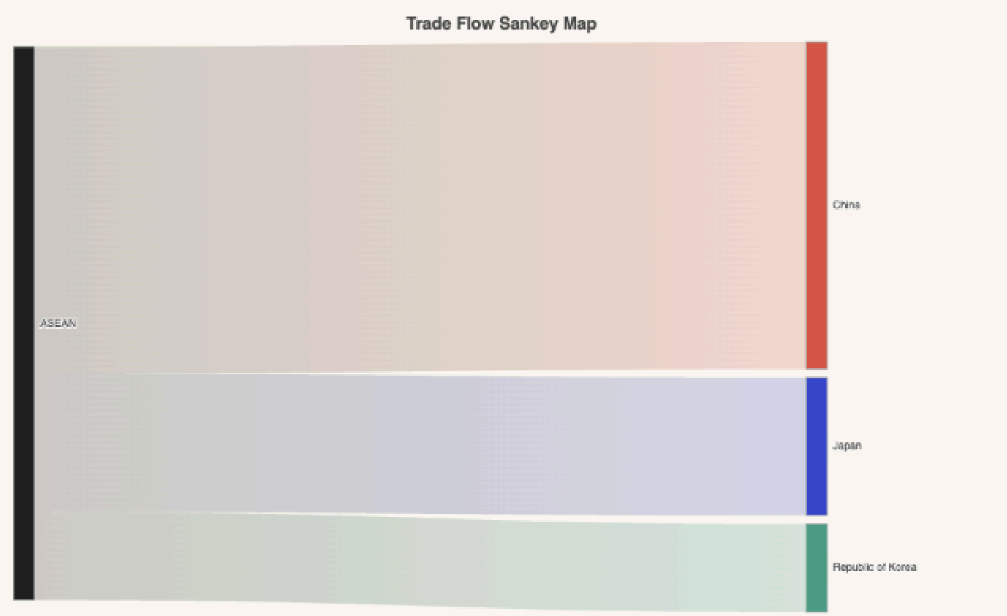
Japan × China × Republic of Korea ×

Reset to Initial Selection

Trade Flow by Sector and Country

Double-click a country-pair to show the product mix.

PNG CSV



ASEAN-Japan Centre. (2026). Chart showing trade flows from ASEAN to Japan, China, Republic of Korea, 2023. Data sources: https://comtradeplus.un.org/TradeFlow. ASEAN data is from UNCOMTRADE, where ASEAN data is available as a Reporter (i.e. Exporter).

These trade patterns reveal varying stages of development and different sectoral priorities. Countries showing high electronics exports may benefit from technology partnerships, while those with agriculture-heavy profiles could focus on food security cooperation. The cross-country analysis suggests opportunities for knowledge sharing and targeted cooperation to strengthen regional trade integration.

Image: Sankey Chart

Country Profile

Country Profile Landing Page

The Country Profile is one of three ways to engage with the data on the Data Studio, and is one of two ***Storyboards***. ***Storyboards*** are curated data stories anchored on key indicators to inform reporting, policy, and research. Each of the four themes (Sustainability, Trade & Investment, Development, and People Exchange) will have a Regional Panorama and a Country Profile.

The Country Profile Storyboard is where users can dive deeper into the metrics of individual countries. **Select a country** to view general information and access links to that country's themed country profiles.

(Note: Development and People Exchange are still under development.)

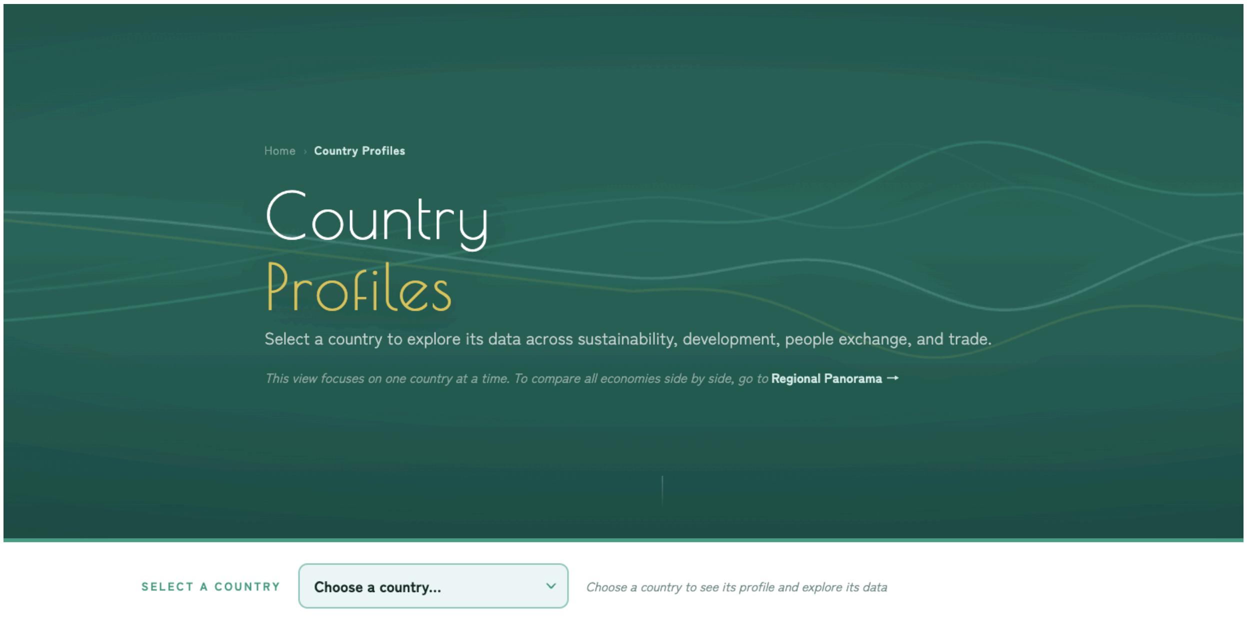


Image: Country Profile Landing Page header

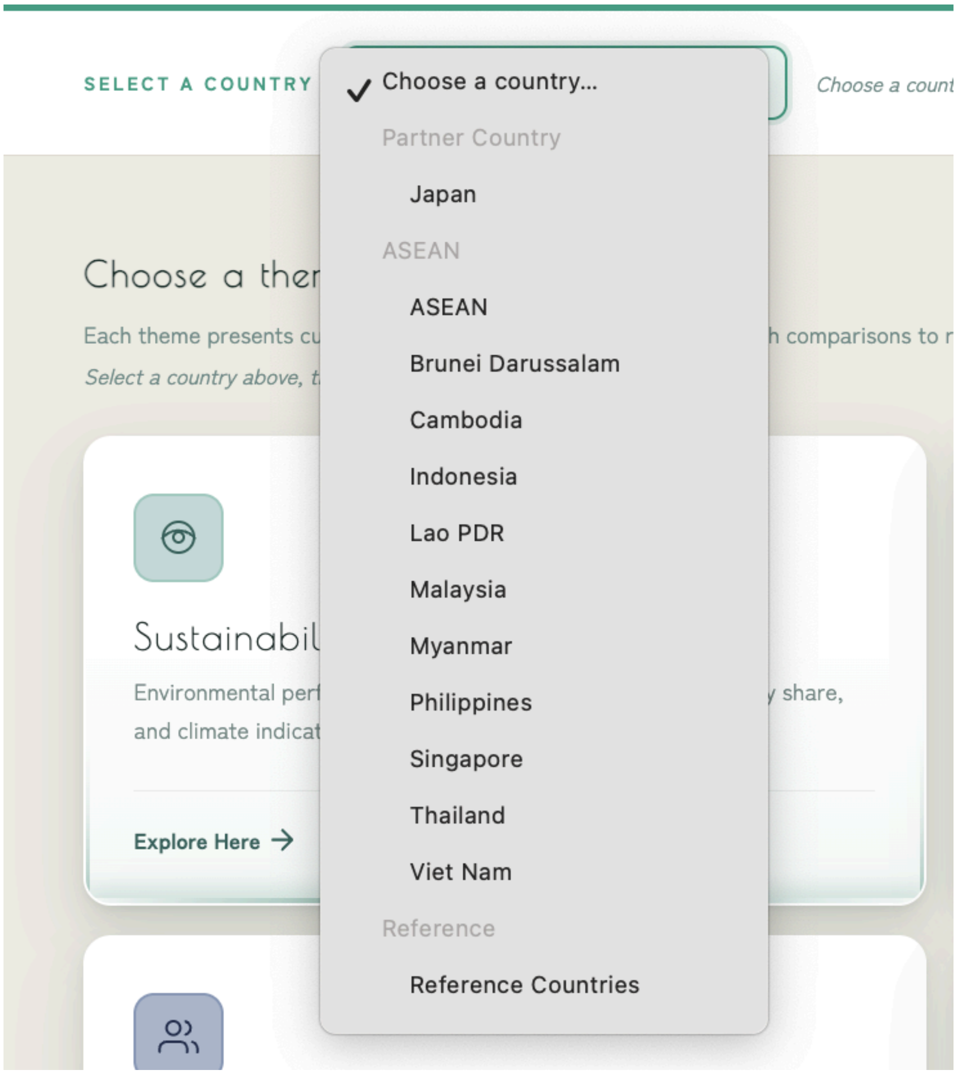


Image: Country Profile selector

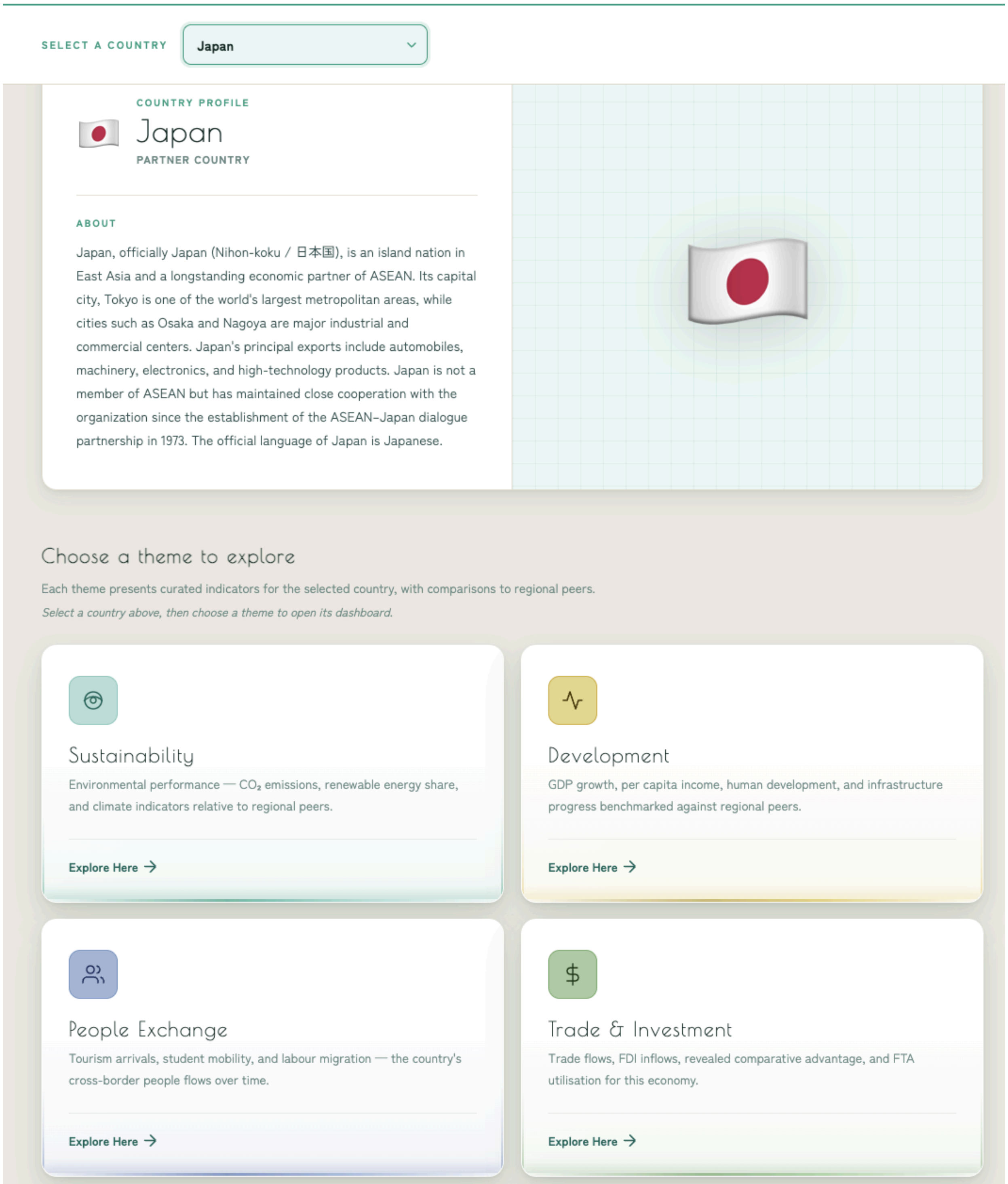


*Image: Sample of Country Profile if **Japan** is selected*

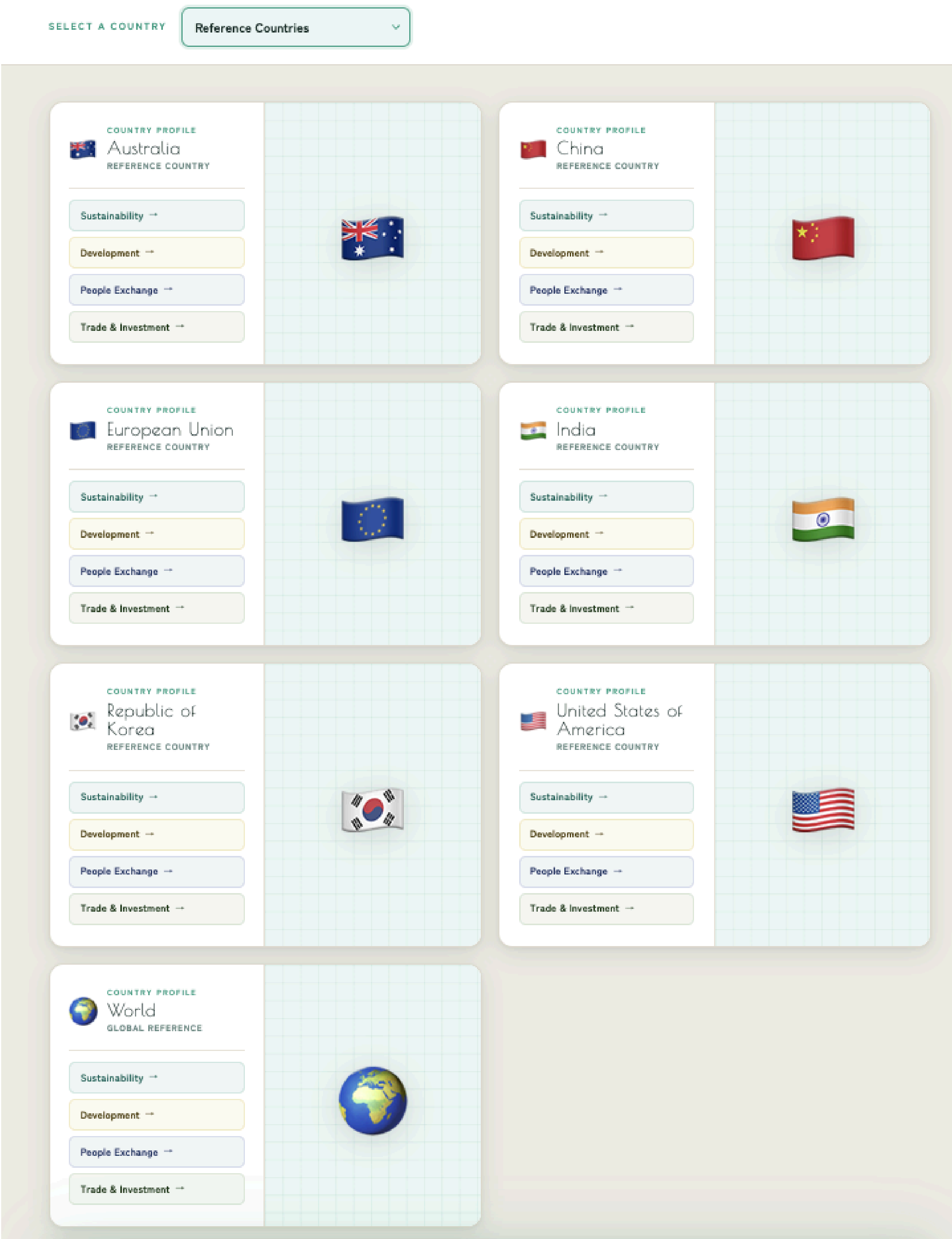


*Image: Sample of Country Profile if **Reference Countries** is selected*

Sustainability Country Profile

Overall View

The **Sustainability** Country Profile includes four charts that can be expanded or closed for easier viewing. Below is what the whole page looks like **filtered to ASEAN and 2023**, with only the first chart expanded.

Sustainability | Development | People Exchange | Trade & Investment | Country Profile | Regional Panorama

PAGE FILTER | Country: ASEAN | Year: 2023 | KPI Reference

Impact Snapshot

These three core indicators reveal **ASEAN's** emissions profile across scale, equity, and efficiency. **Total CO_2** shows absolute environmental impact, **CO_2 per capita** reflects fairness in emissions distribution, and **carbon intensity** measures economic efficiency. Together, they form the foundation for understanding sustainability progress and identifying priority areas for climate action.

Tip: Adjust the year using the page filter

Total CO_2 Emissions — ↑ YoY 4.9% — 100.0% share of total ASEAN

1910.400 Mt CO2e

CO_2 per capita — ↑ YoY 2.0% — vs ASEAN avg 55.27 t CO2e/capita

55.27 t CO2e/capita

Carbon intensity — ↑ YoY 1.5% — 100.0% share of total ASEAN

2.04 kg CO2e per 2021 PPP $ of GDP

Emissions Trends

Select an indicator for the primary and/or secondary axis.

Primary Axis (Left): Total CO_2

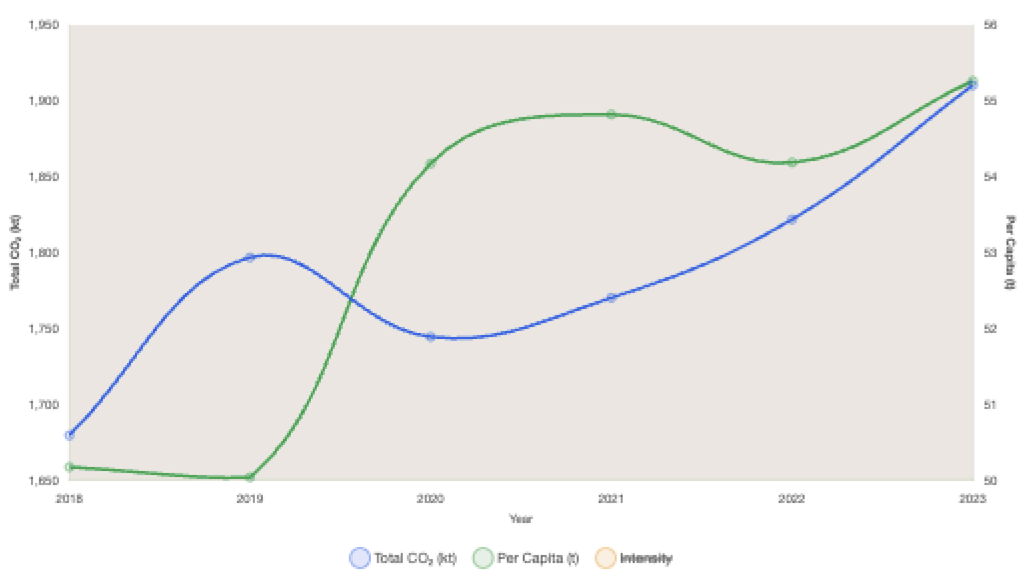
Secondary Axis (Right): Per Capita

Adjust this chart's Year Range

Year Range: 2018 – 2023

PNG | CSV

Tip: Click a legend item to show or hide its series



ASEAN-Japan Centre. (2026). Chart showing Total CO_2 Emissions (Mt CO2e), CO_2 per capita (t CO2e/capita), and Carbon intensity (kg CO2e per 2021 PPP $ of GDP) of ASEAN, 2018-2023. Data sources: https://api.worldbank.org ASEAN figure for Total CO_2 Emissions is the sum, ASEAN figure for CO_2 per capita is the sum, ASEAN figure for Carbon intensity is the sum.

Image: Overall view of Sustainability Country Profile

Chart Controls

Charts can either be configured through ***Page Filters***, which applies to all charts on the page where applicable; or ***Chart-only Filters***, which are unique to that chart. Additionally, when it's possible to toggle on / off the display of data on the chart itself, a note will be included.

Here is a quick summary:

<u>BY CHART</u>

- ***All Charts:***
  - **Country** *(found in* Page Filter*)*
- ***Impact Snapshot***
  - **Year** *(found in* Page Filter*)*
- ***Emissions Trends***
  - **Year Range:** Start and end year of time-series data for this chart
  - **Primary Axis / Secondary Axis:** Configures the indicators that will display per axis. Choose up to 2 from the following: Total CO2, Per Capita (t), Intensity***.***
- ***Outcomes: Sectoral Trends***
  - **Year** *(found in* Page Filter*)*
- ***Outputs: Energy Mix Evolution***
  - **Year Range:** Start and end year of time-series data for this chart
- ***Activities: Investment Balance***
  - **Year** *(found in* Page Filter*)*

<u>BY AVAILABLE CONTROLS</u>

- **Year** *(found in* Page Filter*)*
- **Country** *(found in* Page Filter*)*

- **Year Range:** only affects range of chosen chart: ***Emissions Trends*** and ***Activities: Investment Balance***
- **Primary Axis / Secondary Axis:** only affects ***Emissions Trends***

Images of Charts

Impact Snapshot

These three core indicators reveal **ASEAN's** emissions profile across scale, equity, and efficiency. **Total CO_2** shows absolute environmental impact, **CO_2 per capita** reflects fairness in emissions distribution, and **carbon intensity** measures economic efficiency. Together, they form the foundation for understanding sustainability progress and identifying priority areas for climate action.

Tip: Adjust the year using the page filter

Total CO_2 Emissions
↑ YoY 4.9%
100.0% share of total ASEAN
1910.400 Mt CO2e

CO_2 per capita
↑ YoY 2.0%
vs ASEAN avg 55.27 t CO2e/capita
55.27 t CO2e/capita

Carbon intensity
↑ YoY 1.5%
100.0% share of total ASEAN
2.04 kg CO2e per 2021 PPP $ of GDP

Emissions Trends

Select an indicator for the primary and/or secondary axis.

Primary Axis (Left): Total CO_2 ×

Secondary Axis (Right): Per Capita ×

Adjust this chart's Year Range

Year Range 2018 - 2023

PNG CSV

Tip: Click a legend item to show or hide its series

ASEAN-Japan Centre. (2026). Chart showing Total CO_2 Emissions (Mt CO2e), CO_2 per capita (t CO2e/capita), and Carbon intensity (kg CO2e per 2021 PPP $ of GDP) of ASEAN, 2018-2023. Data sources: https://api.worldbank.org ASEAN figure for Total CO_2 Emissions is the sum, ASEAN figure for CO_2 per capita is the sum, ASEAN figure for Carbon intensity is the sum.

Which sectors drove these emission changes, and where are the biggest opportunities for further reductions?

Image: Emissions trend chart

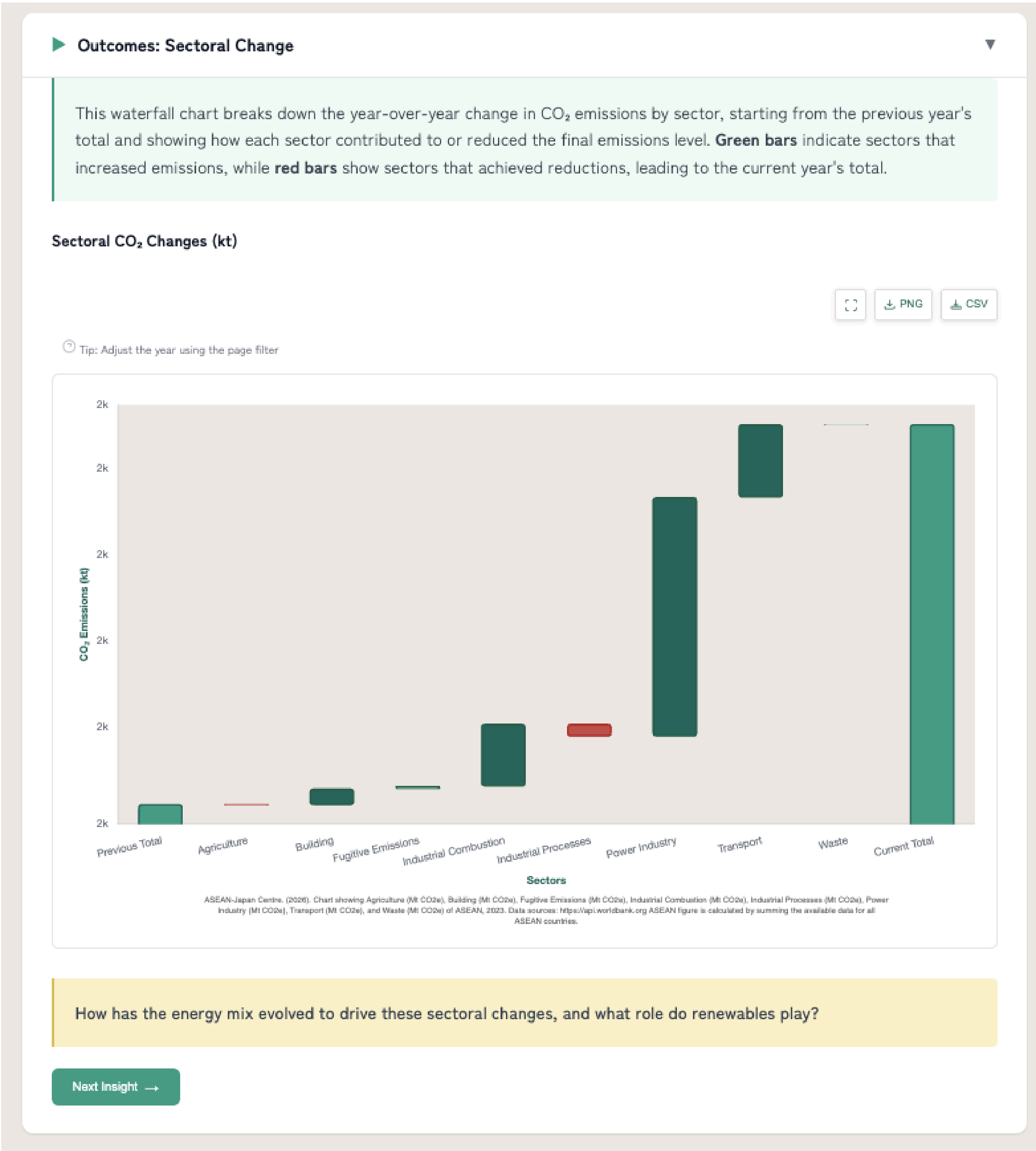


Image: Outcomes: Sectoral Change chart

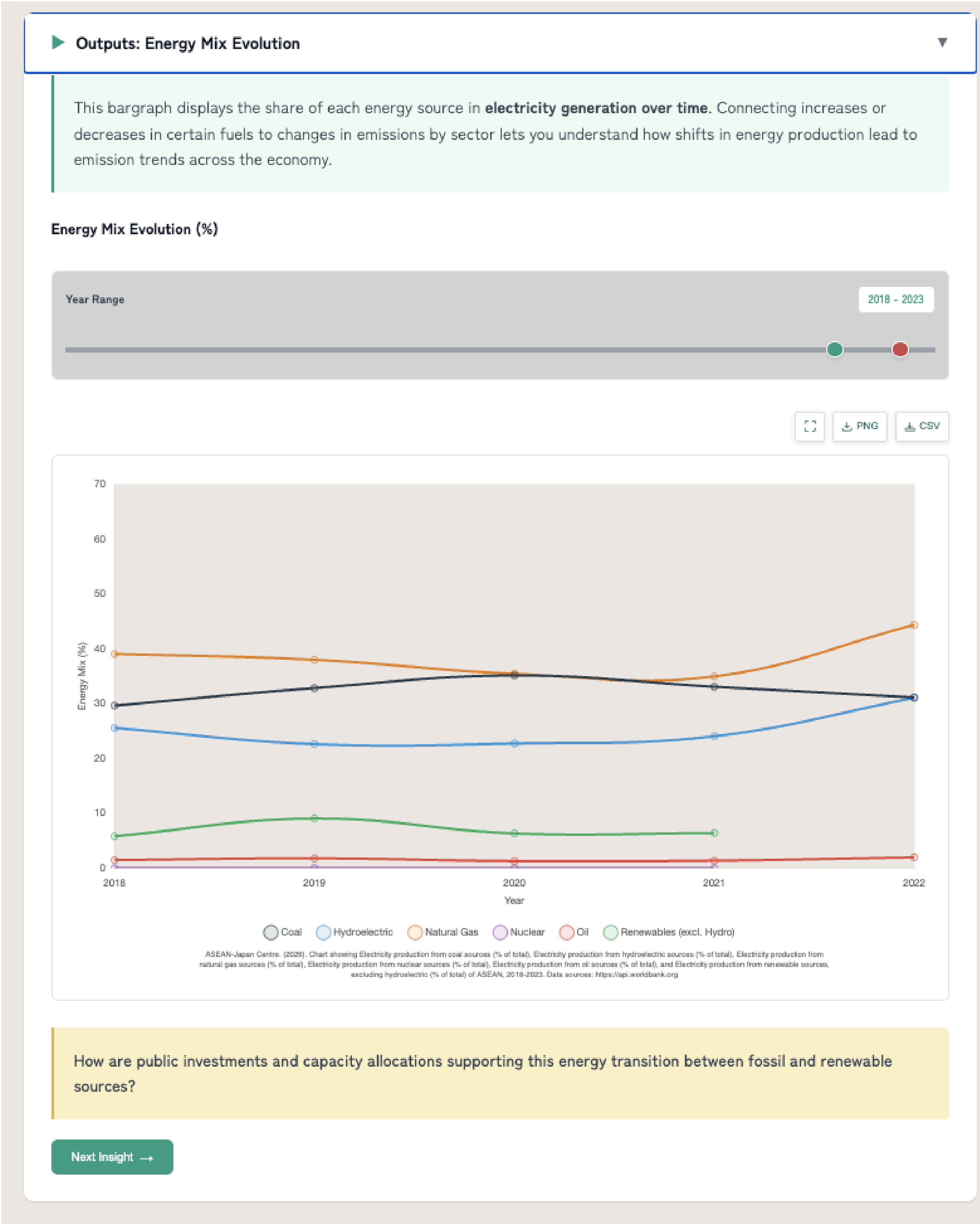


Image: Outputs: Energy Mix Evolution chart

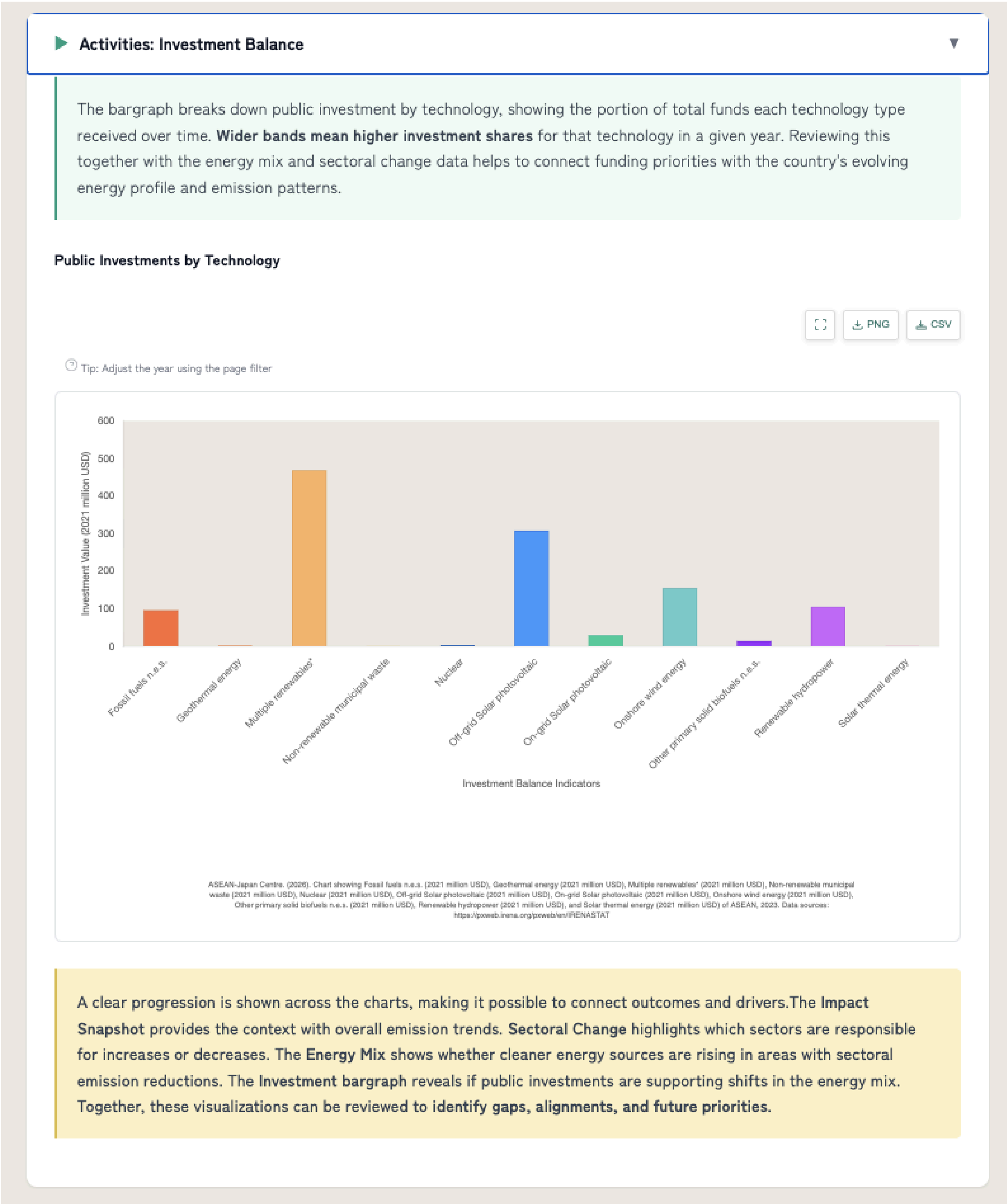


Image: Activities: Investment Balance

Trade & Investment Country Profile

Overall View

The **Trade & Investment** Country Profile includes four charts that can be expanded or closed for easier viewing. Below is what the whole page looks like **filtered to ASEAN and 2023**, with only the first chart expanded.

Sustainability | Development | People Exchange | **Trade & Investment** | Country Profile | Regional Panorama

PAGE FILTER | Country: ASEAN | Year: 2023 | KPI Reference

Impact Snapshot

These four core indicators reveal **ASEAN's** trade integration profile across openness, scale, and investment attraction. **Trade % of GDP** shows economic openness, **Total Trade Value** reflects absolute market engagement, **FDI % of GDP** measures investment attractiveness relative to economy size, and **FDI Inflows** shows absolute foreign investment confidence. Together, they form the foundation for understanding trade competitiveness and identifying priority areas for economic integration.

Tip: Adjust the year using the page filter

Trade % of GDP	YoY -6.2%	vs ASEAN avg 141.4%	141.4 %
Total Trade Value	YoY -4%	100.0% share of total ASEAN	4492.7 B
FDI net inflows (% of GDP)	YoY 3.3%	vs ASEAN avg 6.0%	6.0 %
FDI Inflows	YoY -13.2%	100.0% share of total ASEAN	203.1 B

Trade & Investment Performance

Adjust this chart's Year Range

Year Range: 2018 – 2023

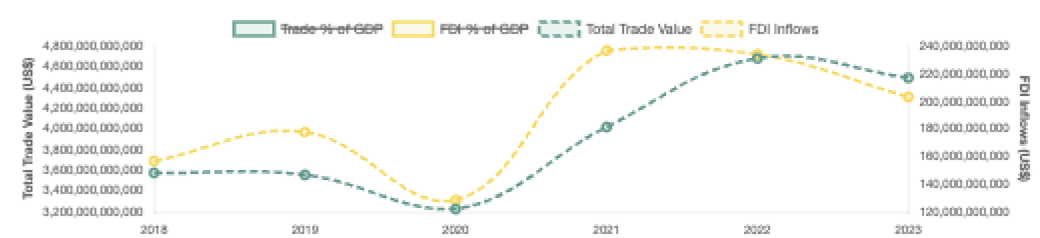
Select indicators for each axis. You can select either absolute values or % of GDP for Trade and FDI inflows.

Primary Axis (Left): Total Trade Value

Secondary Axis (Right): FDI Inflows

CSV

Tip: Click a legend item to show or hide its series



ASEAN-Japan Centre. (2026). Chart showing Foreign direct investment, net inflows (BoP, current US$) (BoP, current US$), Foreign direct investment, net inflows (% of GDP) (% of GDP), Trade (% of GDP) (% of GDP), and Total Trade Value (exports + imports) (current US$) (current US$) of ASEAN, 2018-2023. Data sources: https://api.worldbank.org ASEAN figure for FDI Inflows is calculated by summing the available data for all ASEAN countries. ASEAN figure for FDI % of GDP is calculated by averaging the available data for all ASEAN countries. ASEAN figure for Trade % of GDP is calculated by averaging the available data for all ASEAN countries. ASEAN figure for Total Trade Value is calculated by summing the available data for all ASEAN countries.

Are our trade openness and FDI inflows improving? Which sectors drove these trade performance changes, and where are the biggest opportunities for further integration?

Next Insight →

Image: Overall Trade & Investment Country Profile

Chart Controls

Charts can either be configured through ***Page Filters***, which applies to all charts on the page where applicable; or ***Chart-only Filters***, which are unique to that chart. Additionally, when it's possible to toggle on / off the display of data on the chart itself, a note will be included.

Here is a quick summary:

BY CHART

- ***All Charts:***
  - **Country** *(found in* Page Filter*)*
- ***Impact Snapshot***
  - **Year** *(found in* Page Filter*)*
- ***Trade & Investment Performance***
  - **Year Range:** Start and end year of time-series data
  - **Primary Axis / Secondary Axis:** Configures the indicators that will display per axis. Choose from four indicators: *Trade % of GDP*, *FDI % of GDP*, *Total Trade Value*, and *FDI Inflows*.
    - The default showing is all four, with *Trade % of GDP* and *FDI % of GDP* toggled off.
- ***Outcomes: Structural Trade Quality***
  - **Year Range:** Start and end year of time-series data
- ***Activities: Tariff Reduction Journey***
  - **Year Range:** Start and end year of time-series data
- ***Activities: Non-Tariff Measures***
  - Not configurable as chart shows ***to-date*** data

BY AVAILABLE CONTROLS

- **Year** *(found in* Page Filter*)*

- **Country** *(found in* Page Filter*)*
- **Year Range:** only in ***Trade & Investment Performance***, ***Outcomes: Structural Trade Quality*** and ***Activities: Tariff Reduction Journey***
- **Primary Axis / Secondary Axis:** only in ***Trade & Investment Performance***

Impact Snapshot

These four core indicators reveal **ASEAN's** trade integration profile across openness, scale, and investment attraction. **Trade % of GDP** shows economic openness, **Total Trade Value** reflects absolute market engagement, **FDI % of GDP** measures investment attractiveness relative to economy size, and **FDI Inflows** shows absolute foreign investment confidence. Together, they form the foundation for understanding trade competitiveness and identifying priority areas for economic integration.

Tip: Adjust the year using the page filter

Trade % of GDP	YoY -6.2%	vs ASEAN avg 141.4%	141.4 %
Total Trade Value	YoY -4%	100.0% share of total ASEAN	4492.7 B
FDI net inflows (% of GDP)	YoY 3.3%	vs ASEAN avg 6.0%	6.0 %
FDI Inflows	YoY -13.2%	100.0% share of total ASEAN	203.1 B

Trade & Investment Performance

Adjust this chart's Year Range

Year Range 2018 - 2023

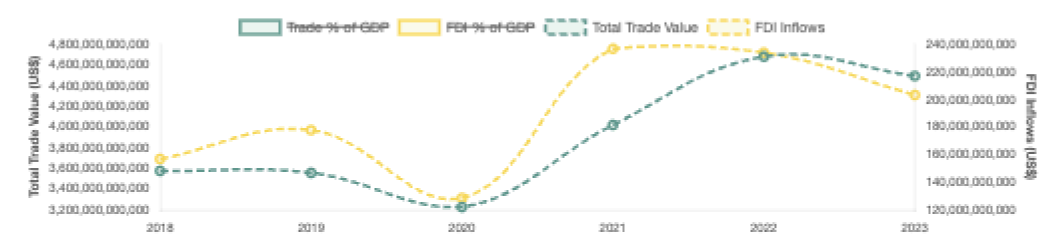
Select indicators for each axis. You can select either absolute values or % of GDP for Trade and FDI inflows.

Primary Axis (Left): Total Trade Value ×

Secondary Axis (Right): FDI Inflows ×

CSV

Tip: Click a legend item to show or hide its series



ASEAN-Japan Centre. (2026). Chart showing Foreign direct investment, net inflows (BoP, current US$) (BoP, current US$), Foreign direct investment, net inflows (% of GDP) (% of GDP), Trade (% of GDP) (% of GDP), and Total Trade Value (exports + imports) (current US$) (current US$) of ASEAN, 2018-2023. Data sources: https://api.worldbank.org ASEAN figure for FDI Inflows is calculated by summing the available data for all ASEAN countries. ASEAN figure for FDI % of GDP is calculated by averaging the available data for all ASEAN countries. ASEAN figure for Trade % of GDP is calculated by averaging the available data for all ASEAN countries. ASEAN figure for Total Trade Value is calculated by summing the available data for all ASEAN countries.

Are our trade openness and FDI inflows improving? Which sectors drove these trade performance changes, and where are the biggest opportunities for further integration?

Next Insight →

Image: Trade & Investment Performance chart

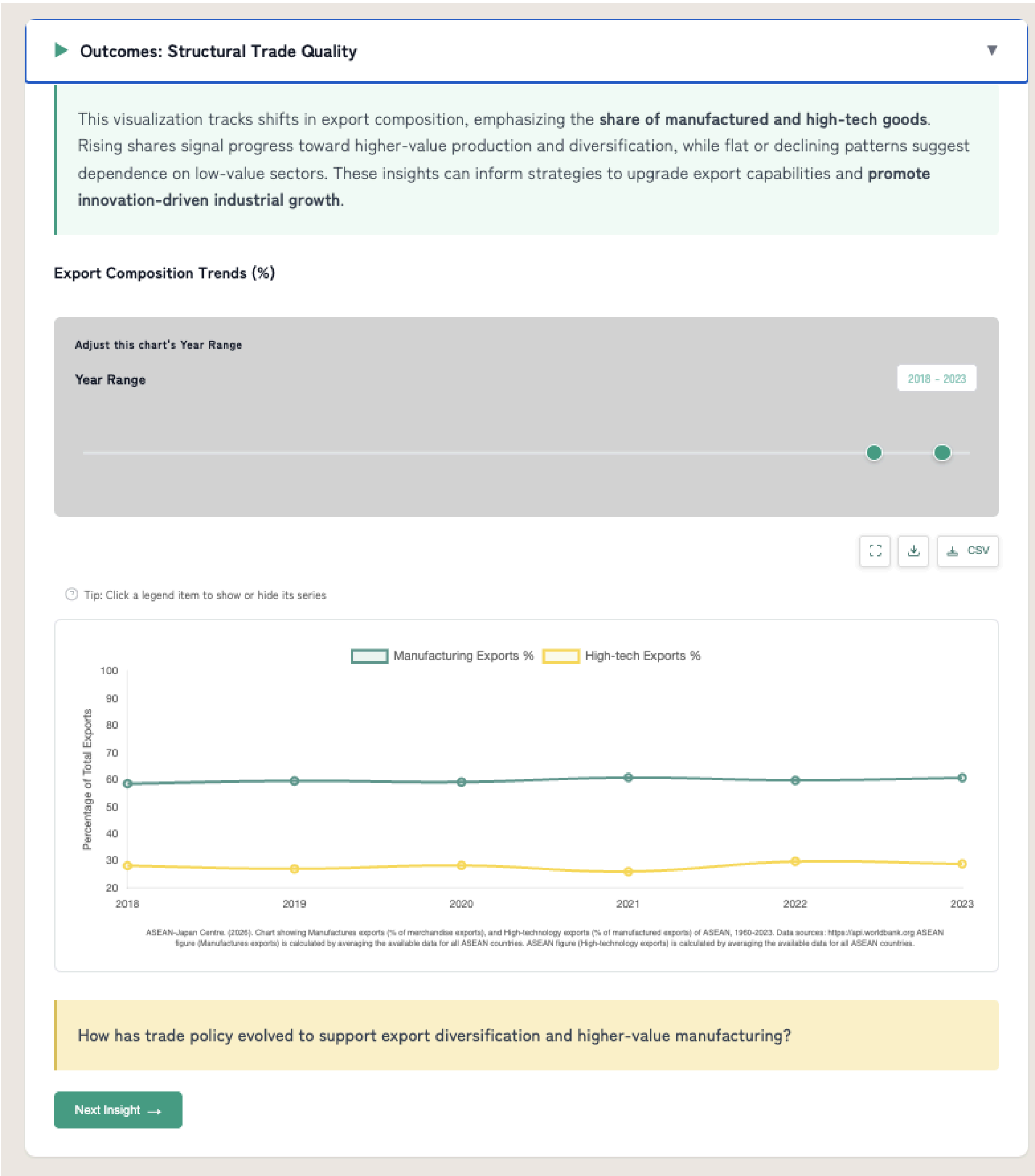


Image: Outcomes: Structural Trade Quality chart

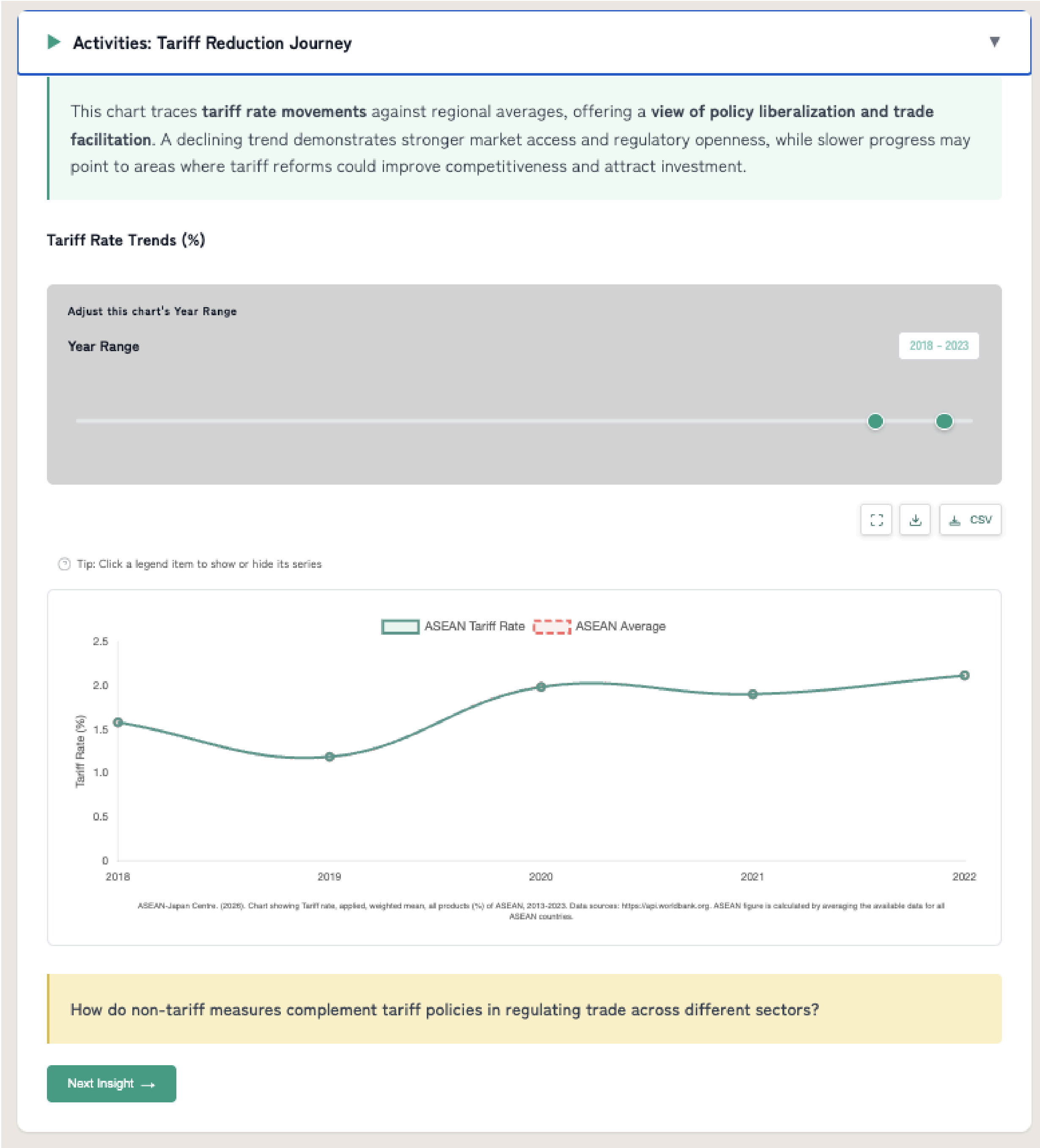


Image: Activity: Tariff Reduction Journey

▶ Activities: Non-Tariff Measures

This section examines the coverage and frequency of non-tariff measures (NTMs) by product category, revealing how regulations shape market entry conditions.

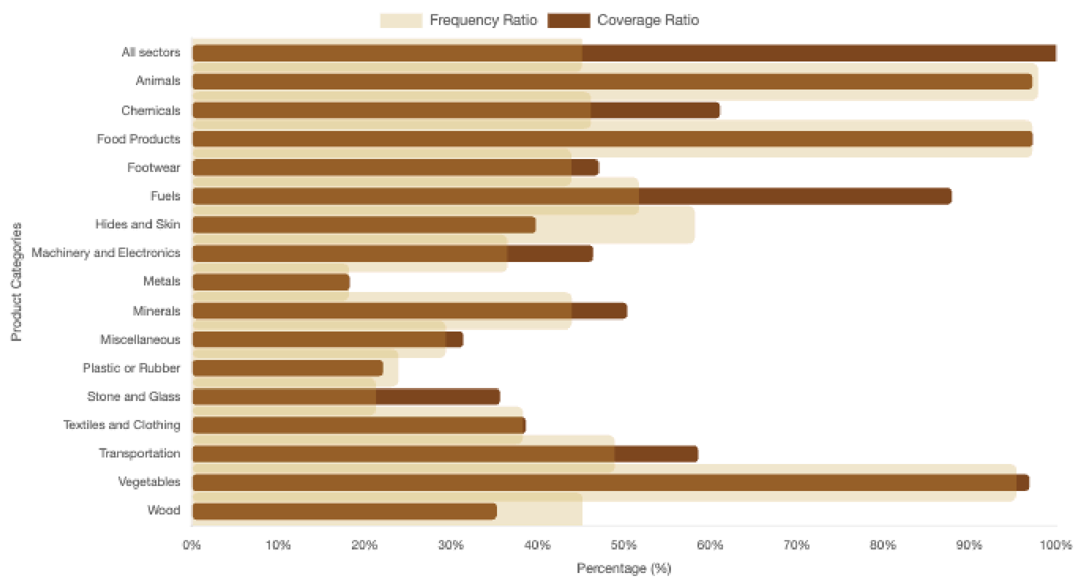
The **coverage ratio** and **frequency ratio** are common indicators to analyze the incidence of NTMs. Both refer to the share of imports subject to one or more NTMs. The frequency ratio measures the number of product lines affected by NTMs, while the coverage ratio measures the value of imports affected by NTMs. If the coverage ratio is greater than the frequency ratio, it indicates that the impact of NTM is high on that sector. High NTM coverage indicates sectors where compliance costs or regulatory complexity are significant, while lower coverage highlights relatively open trade environments. These patterns help identify where policy harmonization or regulatory streamlining may be needed.

The information below is the latest information from WITS, based on the total number of NTMS in force at the time of data collection. You may find more information on NTMs in this link.

NTM Coverage and Frequency by Product Category

CSV

Tip: Click a legend item to show or hide its series



ASEAN-Japan Centre. (2026). Chart showing Coverage Ratio (NTM: All Measures - All Sectors) (%), Frequency Ratio (NTM: All Measures - All Sectors) (%), Coverage Ratio (NTM: All Measures - Animal Sector) (%), Frequency Ratio (NTM: All Measures - Animal Sector) (%), Coverage Ratio (NTM: All Measures - Chemicals Sector) (%), Frequency Ratio (NTM: All Measures - Chemicals Sector) (%), Coverage Ratio (NTM: All Measures Food Products - Food Products Sector) (%), Frequency Ratio (NTM: All Measures Food Products - Food Products Sector) (%), Coverage Ratio (NTM: All Measures - Footwear Sector) (%), Frequency Ratio (NTM: All Measures - Footwear Sector) (%), Coverage Ratio (NTM: All Measures - Fuels) (%), Frequency Ratio (NTM: All Measures - Fuels) (%), Coverage Ratio (NTM: All Measures Hides And Skins - Hides and Skins Sector) (%), Frequency Ratio (NTM: All Measures Hides And Skins - Hides and Skins Sector) (%), Coverage Ratio (NTM: All Measures Mach And Elec - Mach and Elec Sector) (%), Frequency Ratio (NTM: All Measures Mach And Elec - Mach and Elec Sector) (%), Coverage Ratio (NTM: All Measures - Metals Sector) (%), Frequency Ratio (NTM: All Measures - Metals Sector) (%), Coverage Ratio (NTM: All Measures - Minerals Sector) (%), Frequency Ratio (NTM: All Measures - Minerals Sector) (%), Coverage Ratio (NTM: All Measures - Miscellaneous Sector) (%), Frequency Ratio (NTM: All Measures - Miscellaneous Sector) (%), Coverage Ratio (NTM: All Measures Plastic Or Rubber - Plastic or Rubber Sector) (%), Frequency Ratio (NTM: All Measures Plastic Or Rubber - Plastic or Rubber Sector) (%), Coverage Ratio (NTM: All Measures Stone And Glass - Stone and Glass Sector) (%), Frequency Ratio (NTM: All Measures Stone And Glass - Stone and Glass Sector) (%), Coverage Ratio (NTM: All Measures Textiles And Clothing - Textiles and Clothing Sector) (%), Frequency Ratio (NTM: All Measures Textiles And Clothing - Textiles and Clothing Sector) (%), Coverage Ratio (NTM: All Measures - Transportation Sector) (%), Frequency Ratio (NTM: All Measures - Transportation Sector) (%), Coverage Ratio (NTM: All Measures - Vegetable Sector) (%), Frequency Ratio (NTM: All Measures - Vegetable Sector) (%), Coverage Ratio (NTM: All Measures - Wood Sector) (%), and Frequency Ratio (NTM: All Measures - Wood Sector) (%) of ASEAN, 2023. Data sources: https://wits.worldbank.org/data/public/NTM/NTM-Indicators-Measure-Sector.zip

A clear progression is shown across the charts, making it possible to connect outcomes and drivers. The **Impact Snapshot** provides the context with overall trade trends. **Structural Trade Quality** highlights export sophistication progress. The **Tariff Reduction Journey** shows policy liberalization efforts. The **NTM Analysis** reveals regulatory focus areas. Together, these visualizations can be reviewed to **identify gaps, alignments, and future trade priorities.**

Image: Activity: Non-tariff Measures chart

Data Discovery Hub

Welcome to the Data Discovery Hub! Here, you can search across 1,500+ indicators, compare countries, and download data for use in policy documents and research outputs.

The first section provides a quick overview of the Data Discovery Hub and instructions on how to use.

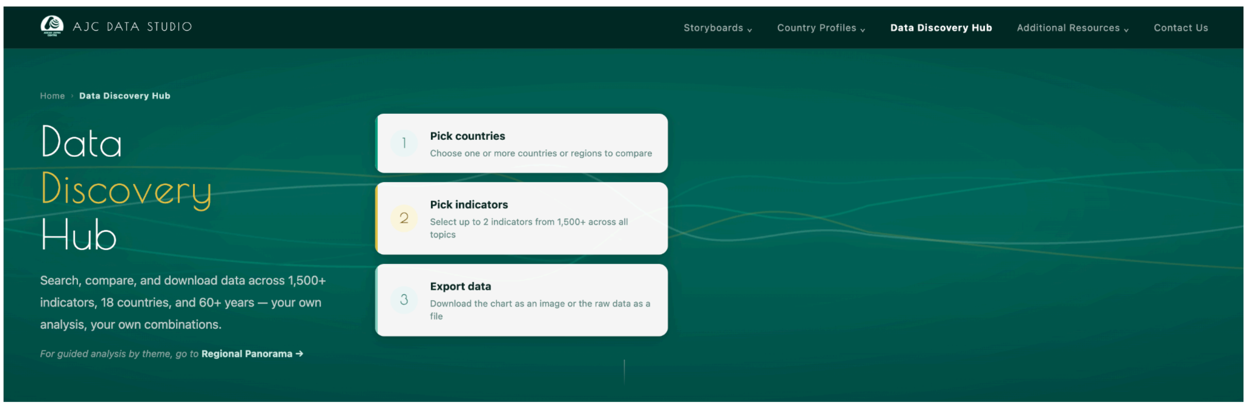


Image: Hero section of Data Discovery Hub

1. **Start by selecting your country of interest.** You can select up to 2

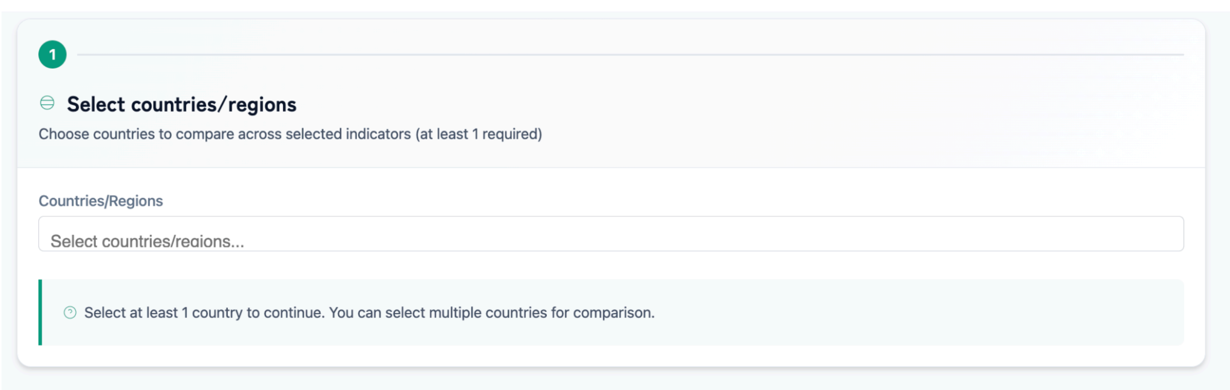


Image: Select countries function from Data Discovery Hub

2. Next, select your KPI of interest (up to 2) by doing the following:
    a. Type the name of your KPI in our search bar.
    b. Filter the KPIs by each key theme: **Sustainability**, **Development**, **People Exchange**, or **Trade and Investment**
    c. *Tip: Download the **KPI Reference** to see the full list of indicators.*
    d. Select your preferred KPI!

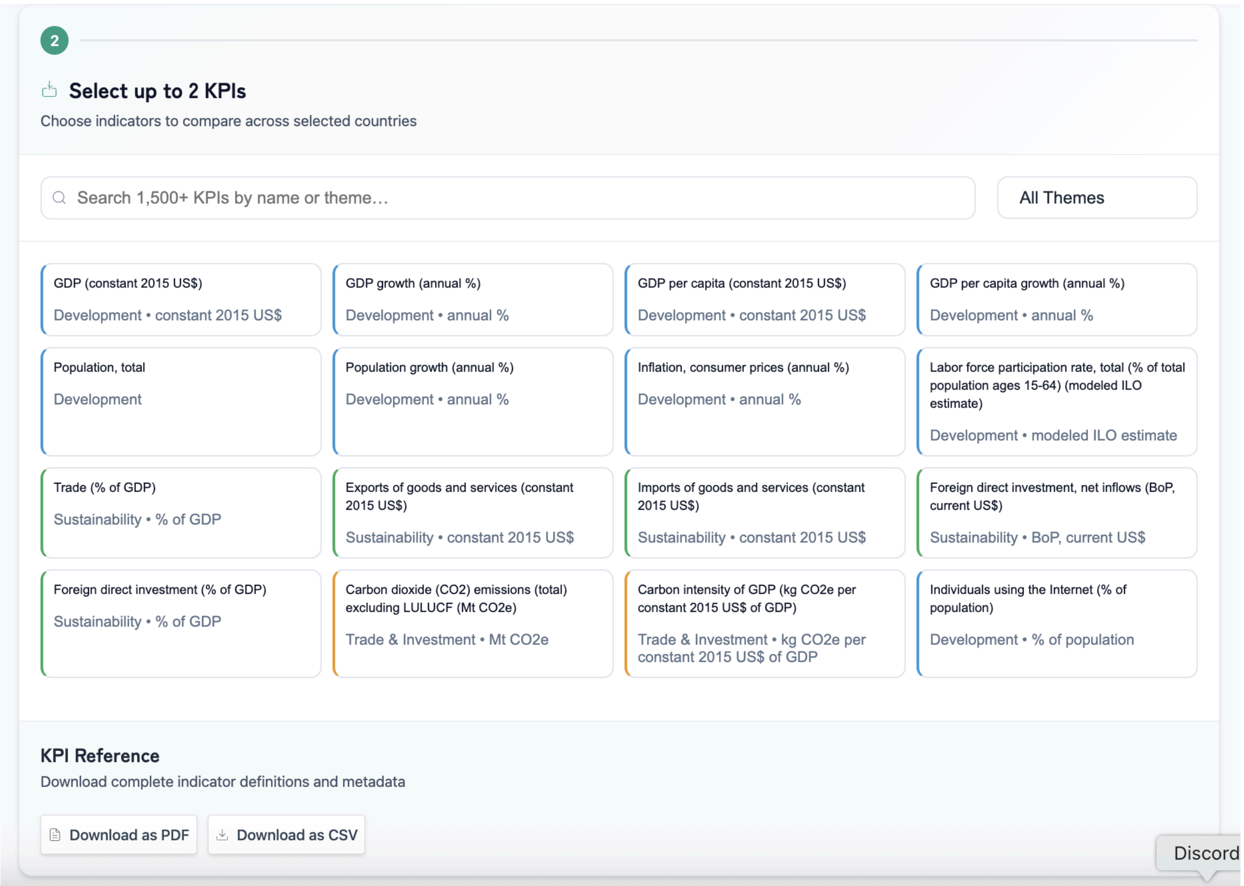


Image: Select KPIs function from Data Discovery Hub

3. Now that you've selected your Countries and KPIs, you can configure the following:
    a. Time period: Use the two ends of the slider to set your start and end year.
    b. Axis of each indicator

c. Chart type

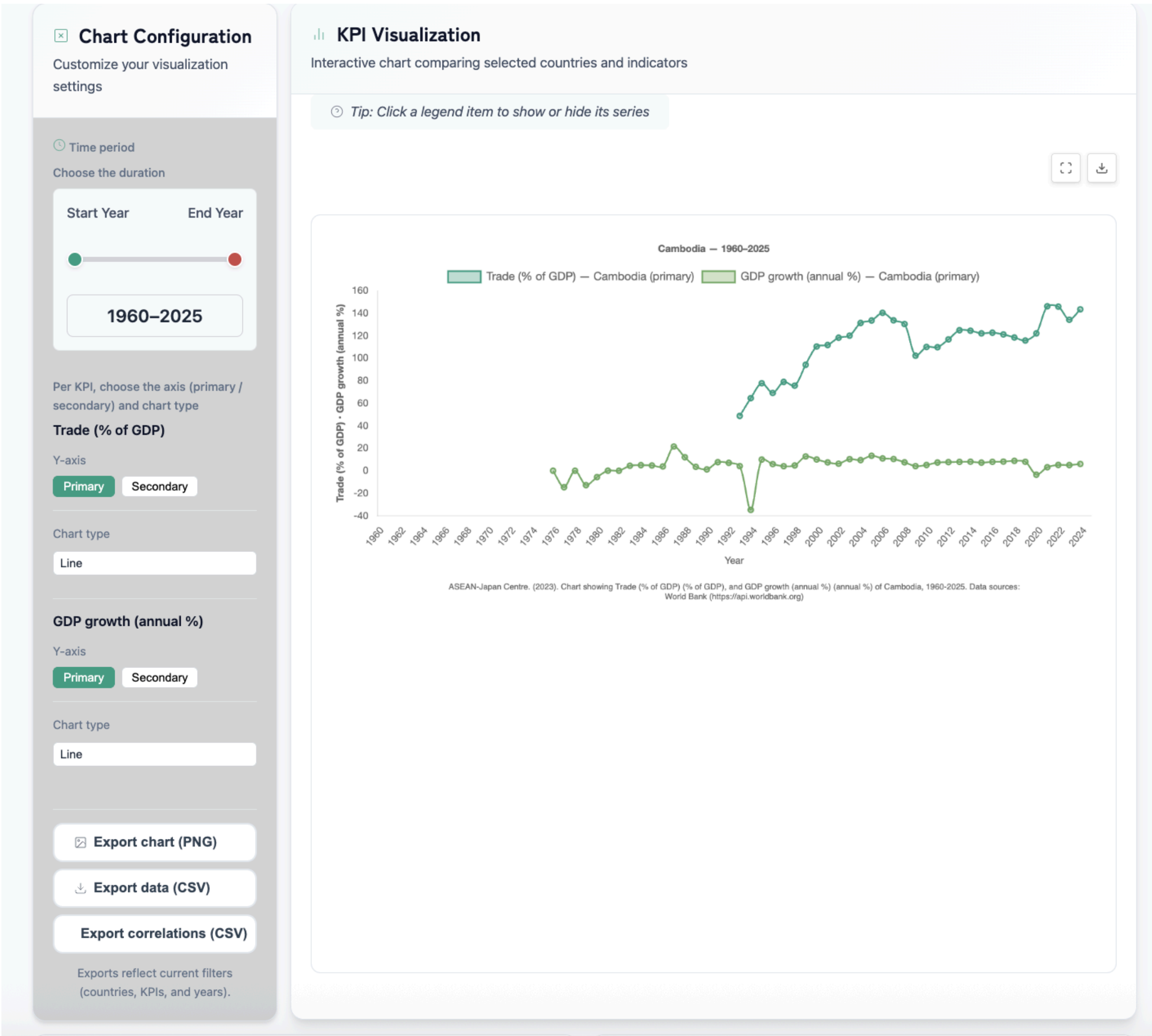


Image: Chart configuration function from Data Discovery Hub

4. View the descriptive statistics and a correlation matrix of your chosen indicators here.

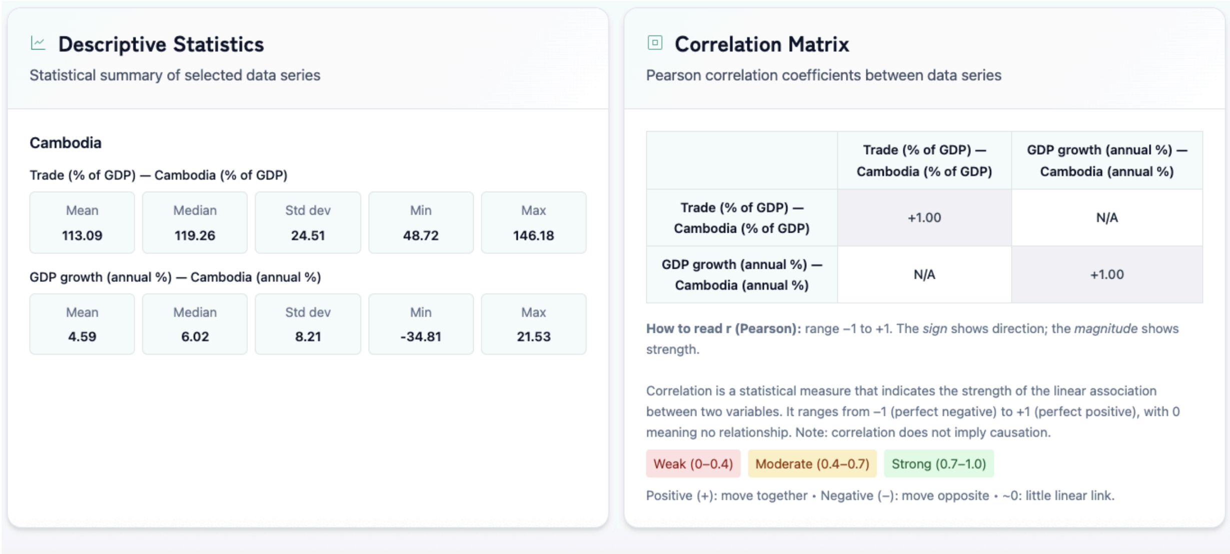


Image: View descriptive statistics and correlation matrix function from Data Discovery Hub